

1. Information

1.1. Applicant

Tested date : 2019/2/6 ~ 2019/3/8

Issued date : 2019/3/13

Tested by : 谷 伸哉 / 廣田 和也
Nitani Shinya / Hirota Kazuya

Approved by : 中原 敏光
Nakahara Toshimitsu

1.2. Testing Laboratory

Testing Laboratory	Mitsubishi Electric Corporation with its seat in Amagasaki, Hyogo
Lab. Address	コミュニケーション・ネットワーク製作所: 兵庫県尼崎市塚口本町8丁目1番1号 情報技術総合研究所: 神奈川県鎌倉市大船5丁目1番1号

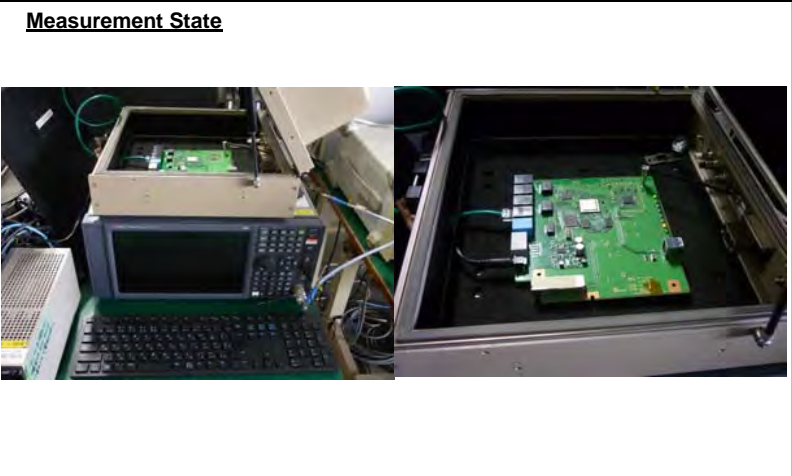
1.3. Product

Model name	RX-600MI, PR-600MI又はH-MGW24N		
Classification of specified radio equipment	Certification Ordinance Article 2 Clause 1 Item 19-3 & 19-3-2 5GHz Band Wideband Low-Power Data Communication System		
Type of equipment	Master with TPC function		
Support category	<input checked="" type="checkbox"/> 802.11a	<input checked="" type="checkbox"/> 802.11n-HT20	<input checked="" type="checkbox"/> 802.11n-HT40
	<input checked="" type="checkbox"/> 802.11ac-VHT80	<input type="checkbox"/> 802.11ac-VHT160	<input type="checkbox"/> 802.11ac-VHT80+80
Communication method	Simplex		
Modulation technology	OFDM		
Modulation method	BPSK, QPSK, 16QAM, 64QAM, 256QAM		
Transmission data rate	See document		
Type of emissions	D1D, G1D		
Frequency range & number of channels	(20MHz system) 5180 ~ 5320MHz (20MHz interval 8 channels) & 5500 ~ 5700GHz (20MHz interval 11 channels) (40MHz system) 5190, 5230, 5270, 5310MHz & 5510 ~ 5670GHz (40MHz interval 5 channels) (80MHz system) 5210, 5290MHz & 5530, 5610MHz		
Rated output power	See result		
Channel bandwidth	20MHz & 40MHz & 80MHz system		
Number of antennas	See result		

1.4. Opinions and interpretations

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2. Test Conditions Photograph



3. Measurement Equipment List

Use	Kind of Equipment	Model Name	Manufacturer	Serial No.	Calibration Authority	Cal Date	Cal Method
X	Spectrum Analyzer	N9020B	キーサイト・テクノロジー	MY57430639	オリックス・レンテック株式会社	2018/12/4	d)
X	Vector Signal Generator	N5172B	キーサイト・テクノロジー	6200882959	オリックス・レンテック株式会社	2018/12/3	d)
	以下余白						

Note 1: "X" used equipment.

Note 2: The validity of measurement equipment is one year from the first day of the following month of the calibration date.
(e.g. If the calibration date is December 15th, 2014, measurement equipment can be used from December 15th, 2014 to December 31st, 2015.)

Note 3: Calibration Method

a): Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)

b): Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)

c): Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)

d): Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)

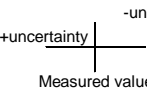



4. Measurement Uncertainty

*In this test, the influence of an error or uncertainty may be done according to the following factors.

- Bias of a measurement equipment, Change by aging, Attrition, Noise
- Skill and capability of an inspector
- Environment (Temperature, Humidity)
- Dispersion in a EUT (Equipment Under Test)
- Uncertainty of calibration of a measurement equipment

Therefore, Synthetic uncertainty is calculated using "k=2" of coverage factor, and about 95% of confidence level shall be obtained.

In consideration of the above, it judged as follows.

JUDGE	Measured value and Standard limit value	
PASS	Case1 <u>Standard limit value</u>  *Even if it takes uncertainty into consideration, a standard limit value is fulfilled.	
	Case2  *Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.	
FAIL	Case3  *Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.	
	Case4  *Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.	

5. Test Results

5.1. Testing Information

Type of application	<input checked="" type="checkbox"/> Type certificate	
Input voltage	12 VDC	(Rated voltage only)
Serial number	8827 K70 00359	
Ambient Temperature	20~26 °C	
Relative Humidity	46~50 %	
The reason why the tests are performed only at rated voltage	When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).	
Measurement was conducted by the following test method: The test method of Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in Annex 45 of Article 88, Paragraph 1 or the test method more than equivalent.		

Modes	Channel	Tested Frequency
802.11a /n HT20 / ac VHT20	36	5180 MHz
	48	5240 MHz
	52	5260 MHz
	64	5320 MHz
	100	5500 MHz
	120	5600 MHz
802.11n HT40 / ac VHT40	140	5700 MHz
	38	5190 MHz
	46	5230 MHz
	54	5270 MHz
	62	5310 MHz
	102	5510 MHz
802.11ac VHT80	118	5590 MHz
	134	5670 MHz
	42	5210 MHz
	58	5290 MHz
802.11ac VHT160	106	5530 MHz
	122	5610 MHz
802.11ac VHT80+80	--	-- MHz
	--	-- MHz
	--	-- MHz
	--	-- MHz

5.2. Summary of Test Results

The radio equipment has been tested according to the following specifications:

Article 88 Paragraph 1, Appendix 45	ORRE reference	Report reference	Item	Result
Transmitter				
No.3	Article 5.	5.3.	Frequency Tolerance	Pass
No.4	Article 6.	5.4.	Occupied Bandwidth	Pass
No.5	Article 7.	5.5.	Spurious Emission or Unwanted Emission Intensity	Pass
No.6	Article 14	5.6.	Tolerance for Output Power	Pass
No.7	Article 49-20. 3) & 4)	5.7.	Adjacent Channel Leakage Power	Pass
No.7	Article 49-20. 3) & 4)	5.8.	Out-band Leakage Power	Pass
No.10	Article 49-20. 3) & 4)	5.9.	Burst Length of Transmitted Signals	Pass
Receiver				
No.8	Article 24. 2	5.10.	Limit of Secondary Radiated Emissions	Pass
Transmission Antenna				
Function				
No.9	Article 9-4. 8)	5.11.	Interference Prevention Function	Pass
No.11	Article 49-20. 3) & 4)	---	Transmission Power Control Function	*1
No.12	Article 49-20. 3) & 4)	5.11.	Carrier Sensing Function	Pass
No.27	Article 49-20. 3) & 4)	---	Dynamic Frequency Selection Function	*2
Condition for Frequency Stabilization				
No.1	Article 15. 1	5.1.	Voltage fluctuation	Comply
Etc.				

*1 : Refer to specification document

*2 : Refer to another report

ORRE : Ordinance Regulating Radio Equipment

N/A : Not Applicable

5.3. Frequency Tolerance

5.3.1. Limit

Tested Band	Limits
5GHz	-20ppm ≤, ≤ +20ppm

5.3.2 Test result (IEEE 802.11a/n/ac)

W52

Center Frequency (MHz)	TX	Measured Value (MHz)	Result (ppm)	Limit (ppm)	Verdict
5180	1	5179.987000000	-2.509653	± 20	Pass
5190	1	5189.990000000	-1.926782		Pass
5210	1	5209.984000000	-3.071017		Pass
5230	1	5229.985000000	-2.868069		Pass
5240	1	5239.991000000	-1.717557		Pass

W53

Center Frequency (MHz)	TX	Measured Value (MHz)	Result (ppm)	Limit (ppm)	Verdict
5260		5259.994000000	-1.140684	± 20	Pass
5270		5269.986000000	-2.656546		Pass
5290		5289.981000000	-3.591682		Pass
5310		5309.985000000	-2.824859		Pass
5320		5319.984000000	-3.007519		Pass

W56

Center Frequency (MHz)	TX	Measured Value (MHz)	Result (ppm)	Limit (ppm)	Verdict
5500		5499.986000000	-2.545455	± 20	Pass
5510		5509.988000000	-2.177858		Pass
5530		5529.983000000	-3.074141		Pass
5590		5589.986000000	-2.504472		Pass
5600		5599.987000000	-2.321429		Pass
5610		5609.993000000	-1.247772		Pass
5670		5669.983000000	-2.998236		Pass
5700		5699.988000000	-2.105263		Pass

5.4. Occupied Bandwidth

5.4.1. Limit

Tested Band	Limits
W52 / W53	Modulation Method: Non-OFDM 20MHz System ≤ 18MHz
	Modulation Method: OFDM 20MHz System ≤ 19MHz
	Modulation Method: OFDM 40MHz System ≤ 38MHz
	Modulation Method: OFDM 80MHz System ≤ 78MHz
W56	20MHz System ≤ 19.7MHz
	40MHz System ≤ 38MHz
	80MHz System ≤ 78MHz

5.4.2 Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5180	1	16.360000	≤ 19	Pass
	2	16.360000		Pass
	3	16.360000		Pass
	4	16.360000		Pass
	C	16.180000		Pass
5240	1	16.360000		Pass
	2	16.360000		Pass
	3	16.360000		Pass
	4	16.360000		Pass
	C	16.060000		Pass

W53 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5260	1	16.360000	≤ 19	Pass
	2	16.360000		Pass
	3	16.360000		Pass
	4	16.360000		Pass
	C	15.940000		Pass
5320	1	16.360000		Pass
	2	16.360000		Pass
	3	16.360000		Pass
	4	16.360000		Pass
	C	15.340000		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5500	1	16.360000	≤ 19.7	Pass
	2	16.360000		Pass
	3	16.360000		Pass
	4	16.360000		Pass
	C	16.000000		Pass
5600	1	16.360000		Pass
	2	16.360000		Pass
	3	16.360000		Pass
	4	16.360000		Pass
	C	15.640000		Pass
5700	1	16.360000		Pass
	2	16.360000		Pass
	3	16.360000		Pass
	4	16.360000		Pass
	C	14.990000		Pass

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5180	1	17.500000	≤ 19	Pass
	2	17.500000		Pass
	3	17.500000		Pass
	4	17.560000		Pass
	C	16.180000		Pass
5240	1	17.500000		Pass
	2	17.500000		Pass
	3	17.500000		Pass
	4	17.500000		Pass
	C	17.200000		Pass

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5260	1	17.500000	≤ 19	Pass
	2	17.500000		Pass
	3	17.500000		Pass
	4	17.500000		Pass
	C	17.140000		Pass
5320	1	17.500000		Pass
	2	17.500000		Pass
	3	17.500000		Pass
	4	17.500000		Pass
	C	16.660000		Pass

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5500	1	17.500000	≤ 19.7	Pass
	2	17.500000		Pass
	3	17.500000		Pass
	4	17.500000		Pass
	C	16.900000		Pass
5600	1	17.500000		Pass
	2	17.500000		Pass
	3	17.500000		Pass
	4	17.500000		Pass
	C	17.020000		Pass
5700	1	17.500000		Pass
	2	17.500000		Pass
	3	17.500000		Pass
	4	17.500000		Pass
	C	17.080000		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5190	1	35.840000	≤ 38	Pass
	2	35.720000		Pass
	3	35.840000		Pass
	4	35.840000		Pass
	C	35.480000		Pass
5230	1	35.840000		Pass
	2	35.840000		Pass
	3	35.840000		Pass
	4	35.840000		Pass
	C	35.600000		Pass

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5270	1	35.840000	≤ 38	Pass
	2	35.840000		Pass
	3	35.840000		Pass
	4	35.840000		Pass
	C	35.840000		Pass
5310	1	35.840000		Pass
	2	35.840000		Pass
	3	35.840000		Pass
	4	35.840000		Pass
	C	35.720000		Pass

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5510	1	35.840000	≤ 38	Pass
	2	35.840000		Pass
	3	35.840000		Pass
	4	35.840000		Pass
	C	35.840000		Pass
5590	1	35.840000		Pass
	2	35.840000		Pass
	3	35.840000		Pass
	4	35.840000		Pass
	C	35.840000		Pass
5670	1	35.840000		Pass
	2	35.840000		Pass
	3	35.840000		Pass
	4	35.840000		Pass
	C	35.720000		Pass

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5210	1	75.760000	≤ 78	Pass
	2	75.760000		Pass
	3	75.760000		Pass
	4	75.760000		Pass
	C	75.520000		Pass

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5290	1	75.760000	≤ 78	Pass
	2	75.760000		Pass
	3	75.760000		Pass
	4	75.760000		Pass
	C	76.000000		Pass

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	OBW Result (MHz)	Limit (MHz)	Verdict
5530	1	76.240000	≤ 78	Pass
	2	75.280000		Pass
	3	76.240000		Pass
	4	75.760000		Pass
	C	74.570000		Pass
5610	1	75.760000		Pass
	2	76.000000		Pass
	3	76.000000		Pass
	4	76.000000		Pass
	C	75.760000		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.5. Spurious Emission or Unwanted Emission Intensity

5.5.1. Limit

Tested Band	Limits
W52 / W53	Occupied Bandwidth \leq 18MHz (20MHz System) 30MHz ~ 5140MHz, 5360MHz ~ 26000MHz \leq 2.5 μ W/MHz
	18MHz < Occupied Bandwidth \leq 19MHz (20MHz System) 30MHz ~ 5135MHz, 5365MHz ~ 26000MHz \leq 2.5 μ W/MHz
	Occupied Bandwidth \leq 38MHz (40MHz System) 30MHz ~ 5100MHz, 5400MHz ~ 26000MHz \leq 2.5 μ W/MHz
	Occupied Bandwidth \leq 78MHz (80MHz System) 30MHz ~ 5020MHz, 5480MHz ~ 26000MHz \leq 2.5 μ W/MHz

Tested Band	Limits
W56	Modulation Method: Non-OFDM 20MHz System 30MHz ~ 5460MHz, 5740MHz ~ 26000MHz \leq 2.5 μ W/MHz
	Modulation Method: OFDM 20MHz System 30MHz ~ 5455MHz, 5745MHz ~ 26000MHz \leq 2.5 μ W/MHz
	Modulation Method: OFDM 40MHz System 30MHz ~ 5420MHz, 5760MHz ~ 26000MHz \leq 2.5 μ W/MHz
	Modulation Method: OFDM 80MHz System 30MHz ~ 5340MHz, 5800MHz ~ 26000MHz \leq 2.5 μ W/MHz

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 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.5.2 Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5180	1	3198.300000	0.026030	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25776.400000	0.189670	≤ 0.625	Pass	*4
	2	3158.100000	0.022620	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25901.700000	0.182260	≤ 0.625	Pass	*4
	3	3182.300000	0.017500	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25854.600000	0.193910	≤ 0.625	Pass	*4
	4	2670.300000	0.019620	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25482.000000	0.200860	≤ 0.625	Pass	*4
	W	3198.300000	0.104120	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25482.000000	0.803440	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
*2 Measurement Range : 5135MHz ~ 5140MHz
*3 Measurement Range : 5360MHz ~ 5365MHz
*4 Measurement Range : 5365MHz ~ 26000MHz

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5240	1	3047.600000	0.017700	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25517.300000	0.198470	≤ 0.625	Pass	*4
	2	3154.100000	0.019120	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25572.900000	0.210670	≤ 0.625	Pass	*4
	3	3166.500000	0.017960	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25783.400000	0.203240	≤ 0.625	Pass	*4
	4	3162.600000	0.018360	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25803.500000	0.191120	≤ 0.625	Pass	*4
	W	3154.100000	0.076480	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25572.900000	0.842680	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
*2 Measurement Range : 5135MHz ~ 5140MHz
*3 Measurement Range : 5360MHz ~ 5365MHz
*4 Measurement Range : 5365MHz ~ 26000MHz

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W53 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5260	1	3166.300000	0.020970	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25510.000000	0.190720	≤ 0.625	Pass	*4
	2	3313.000000	0.021520	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25286.300000	0.176320	≤ 0.625	Pass	*4
	3	3066.800000	0.019050	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25537.900000	0.198110	≤ 0.625	Pass	*4
	4	3063.200000	0.019360	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25516.600000	0.204880	≤ 0.625	Pass	*4
	W	3313.000000	0.086080	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25516.600000	0.819520	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
 *2 Measurement Range : 5135MHz ~ 5140MHz
 *3 Measurement Range : 5360MHz ~ 5365MHz
 *4 Measurement Range : 5365MHz ~ 26000MHz

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5320	1	3158.100000	0.017550	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25838.600000	0.200680	≤ 0.625	Pass	*4
	2	3158.500000	0.017580	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25937.200000	0.192180	≤ 0.625	Pass	*4
	3	2646.200000	0.019930	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25460.600000	0.224230	≤ 0.625	Pass	*4
	4	3047.300000	0.033270	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25860.500000	0.253340	≤ 0.625	Pass	*4
	W	3047.300000	0.133080	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25860.500000	1.013360	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
 *2 Measurement Range : 5135MHz ~ 5140MHz
 *3 Measurement Range : 5360MHz ~ 5365MHz
 *4 Measurement Range : 5365MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

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 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5500	1	3158.800000	0.016970	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25572.800000	0.225790	≤ 2.5	Pass	*4
	2	3150.400000	0.028330	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25559.000000	0.253630	≤ 2.5	Pass	*4
	3	3054.700000	0.030940	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25489.300000	0.265400	≤ 2.5	Pass	*4
	4	3055.300000	0.018690	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25558.600000	0.181720	≤ 2.5	Pass	*4
	W	3054.700000	0.030940	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25489.300000	0.265400	≤ 2.5	Pass	*4
5600	1	3031.000000	0.036020	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25902.200000	0.320180	≤ 2.5	Pass	*4
	2	3150.400000	0.029170	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25552.100000	0.253510	≤ 2.5	Pass	*4
	3	3031.300000	0.028700	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25558.600000	0.277970	≤ 2.5	Pass	*4
	4	3015.100000	0.031610	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25475.300000	0.314270	≤ 2.5	Pass	*4
	W	3031.000000	0.036020	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25902.200000	0.320180	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5455MHz
 *2 Measurement Range : 5455MHz ~ 5460MHz
 *3 Measurement Range : 5740MHz ~ 5745MHz
 *4 Measurement Range : 5745MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5700	1	3059.400000	0.034180	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25853.000000	0.241600	≤ 2.5	Pass	*4
	2	3178.000000	0.031110	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25594.300000	0.298540	≤ 2.5	Pass	*4
	3	3075.300000	0.029360	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25832.500000	0.290130	≤ 2.5	Pass	*4
	4	3170.500000	0.031890	≤ 2.5	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25888.000000	0.270710	≤ 2.5	Pass	*4
	W	3059.400000	0.034180	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25594.300000	0.298540	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5455MHz
 *2 Measurement Range : 5455MHz ~ 5460MHz
 *3 Measurement Range : 5740MHz ~ 5745MHz
 *4 Measurement Range : 5745MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5180	1	3178.400000	0.021050	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25573.100000	0.213300	≤ 0.625	Pass	*4
	2	3194.000000	0.021950	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25552.200000	0.228240	≤ 0.625	Pass	*4
	3	3178.000000	0.019090	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25824.700000	0.231530	≤ 0.625	Pass	*4
	4	3034.800000	0.018760	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25489.400000	0.225630	≤ 0.625	Pass	*4
	W	3194.000000	0.087800	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25824.700000	0.926120	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
 *2 Measurement Range : 5135MHz ~ 5140MHz
 *3 Measurement Range : 5360MHz ~ 5365MHz
 *4 Measurement Range : 5365MHz ~ 26000MHz

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5240	1	3177.800000	0.020180	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25488.700000	0.237030	≤ 0.625	Pass	*4
	2	3031.800000	0.021750	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25838.800000	0.233610	≤ 0.625	Pass	*4
	3	3031.300000	0.020730	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25502.800000	0.228140	≤ 0.625	Pass	*4
	4	3058.900000	0.018210	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25404.700000	0.187460	≤ 0.625	Pass	*4
	W	3031.800000	0.087000	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25488.700000	0.948120	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
 *2 Measurement Range : 5135MHz ~ 5140MHz
 *3 Measurement Range : 5360MHz ~ 5365MHz
 *4 Measurement Range : 5365MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5260	1	3174.600000	0.017890	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25180.900000	0.183740	≤ 0.625	Pass	*4
	2	3146.900000	0.019760	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25559.000000	0.193550	≤ 0.625	Pass	*4
	3	3058.600000	0.021100	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25524.300000	0.232920	≤ 0.625	Pass	*4
	4	3169.800000	0.019000	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25845.600000	0.235180	≤ 0.625	Pass	*4
	W	3058.600000	0.084400	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25845.600000	0.940720	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
 *2 Measurement Range : 5135MHz ~ 5140MHz
 *3 Measurement Range : 5360MHz ~ 5365MHz
 *4 Measurement Range : 5365MHz ~ 26000MHz

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5320	1	3154.800000	0.018100	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25551.700000	0.204550	≤ 0.625	Pass	*4
	2	3051.500000	0.017600	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25496.200000	0.213060	≤ 0.625	Pass	*4
	3	3185.900000	0.016780	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25517.300000	0.188060	≤ 0.625	Pass	*4
	4	3074.500000	0.016360	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25580.000000	0.195030	≤ 0.625	Pass	*4
	W	3154.800000	0.072400	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25496.200000	0.852240	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5135MHz
 *2 Measurement Range : 5135MHz ~ 5140MHz
 *3 Measurement Range : 5360MHz ~ 5365MHz
 *4 Measurement Range : 5365MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5500	1	3015.900000	0.019380	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25881.000000	0.187410	≤ 0.625	Pass	*4
	2	3170.500000	0.019130	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25516.700000	0.185650	≤ 0.625	Pass	*4
	3	5222.400000	0.117520	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25579.900000	0.216270	≤ 0.625	Pass	*4
	4	3154.700000	0.018070	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25810.600000	0.198790	≤ 0.625	Pass	*4
	W	5222.400000	0.470080	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25579.900000	0.865080	≤ 2.5	Pass	*4
5600	1	5299.200000	0.019860	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25782.700000	0.190630	≤ 0.625	Pass	*4
	2	3063.100000	0.020430	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25579.800000	0.194490	≤ 0.625	Pass	*4
	3	3154.000000	0.017970	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25566.400000	0.198840	≤ 0.625	Pass	*4
	4	5174.700000	0.026330	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25474.700000	0.218680	≤ 0.625	Pass	*4
	W	5174.700000	0.105320	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25474.700000	0.874720	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5455MHz
 *2 Measurement Range : 5455MHz ~ 5460MHz
 *3 Measurement Range : 5740MHz ~ 5745MHz
 *4 Measurement Range : 5745MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5700	1	3055.200000	0.024320	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25587.300000	0.191430	≤ 0.625	Pass	*4
	2	3146.400000	0.019920	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25825.300000	0.206630	≤ 0.625	Pass	*4
	3	3051.400000	0.019760	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25888.000000	0.203100	≤ 0.625	Pass	*4
	4	2578.300000	0.018410	≤ 0.625	Pass	*1
				≤ --	--	*2
				≤ --	--	*3
		25600.000000	0.191160	≤ 0.625	Pass	*4
	W	3055.200000	0.097280	≤ 2.5	Pass	*1
		--	--	≤ --	--	*2
		--	--	≤ --	--	*3
		25825.300000	0.826520	≤ 2.5	Pass	*4

- *1 Measurement Range : 30MHz ~ 5455MHz
 *2 Measurement Range : 5455MHz ~ 5460MHz
 *3 Measurement Range : 5740MHz ~ 5745MHz
 *4 Measurement Range : 5745MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5190	1	3043.400000	0.020750	≤ 0.625	Pass	*1
		25341.900000	0.177830	≤ 0.625	Pass	*2
	2	2693.500000	0.019890	≤ 0.625	Pass	*1
		25860.400000	0.178940	≤ 0.625	Pass	*2
	3	2800.600000	0.017440	≤ 0.625	Pass	*1
		25944.500000	0.205730	≤ 0.625	Pass	*2
	4	3174.700000	0.019610	≤ 0.625	Pass	*1
		25461.400000	0.198290	≤ 0.625	Pass	*2
	W	3043.400000	0.083000	≤ 2.5	Pass	*1
		25944.500000	0.822920	≤ 2.5	Pass	*2
5230	1	3194.600000	0.019840	≤ 0.625	Pass	*1
		25831.600000	0.190410	≤ 0.625	Pass	*2
	2	2567.300000	0.017890	≤ 0.625	Pass	*1
		25888.400000	0.199530	≤ 0.625	Pass	*2
	3	3043.400000	0.021690	≤ 0.625	Pass	*1
		25566.100000	0.227930	≤ 0.625	Pass	*2
	4	3169.800000	0.016500	≤ 0.625	Pass	*1
		25888.300000	0.210960	≤ 0.625	Pass	*2
	W	3043.400000	0.086760	≤ 2.5	Pass	*1
		25566.100000	0.911720	≤ 2.5	Pass	*2

*1 Measurement Range : 30MHz ~ 5100MHz

*2 Measurement Range : 5400MHz ~ 26000MHz

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5270	1	3094.900000	0.016970	≤ 0.625	Pass	*1
		25545.100000	0.192000	≤ 0.625	Pass	*2
	2	3174.600000	0.016500	≤ 0.625	Pass	*1
		25573.500000	0.179850	≤ 0.625	Pass	*2
	3	3158.400000	0.016780	≤ 0.625	Pass	*1
		25454.000000	0.181800	≤ 0.625	Pass	*2
	4	3154.800000	0.017800	≤ 0.625	Pass	*1
		25503.300000	0.164360	≤ 0.625	Pass	*2
	W	3154.800000	0.071200	≤ 2.5	Pass	*1
		25545.100000	0.768000	≤ 2.5	Pass	*2
5310	1	3047.100000	0.016200	≤ 0.625	Pass	*1
		25530.800000	0.183230	≤ 0.625	Pass	*2
	2	2749.800000	0.018390	≤ 0.625	Pass	*1
		25565.900000	0.176730	≤ 0.625	Pass	*2
	3	3055.100000	0.021310	≤ 0.625	Pass	*1
		25551.600000	0.179600	≤ 0.625	Pass	*2
	4	3162.800000	0.021460	≤ 0.625	Pass	*1
		25867.100000	0.184200	≤ 0.625	Pass	*2
	W	3162.800000	0.085840	≤ 2.5	Pass	*1
		25867.100000	0.736800	≤ 2.5	Pass	*2

*1 Measurement Range : 30MHz ~ 5420MHz

*2 Measurement Range : 5760MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5510	1	2586.200000	0.016820	≤ 0.625	Pass	*1
		25454.300000	0.190770	≤ 0.625	Pass	*2
	2	5176.000000	0.017430	≤ 0.625	Pass	*1
		25537.600000	0.173100	≤ 0.625	Pass	*2
	3	3194.200000	0.016580	≤ 0.625	Pass	*1
		25509.600000	0.172150	≤ 0.625	Pass	*2
	4	3162.400000	0.017670	≤ 0.625	Pass	*1
		25503.000000	0.185789	≤ 0.625	Pass	*2
	W	3162.400000	0.070680	≤ 2.5	Pass	*1
		25454.300000	0.763080	≤ 2.5	Pass	*2
5590	1	5185.500000	0.018130	≤ 0.625	Pass	*1
		25832.300000	0.170920	≤ 0.625	Pass	*2
	2	3289.500000	0.022320	≤ 0.625	Pass	*1
		25825.400000	0.194180	≤ 0.625	Pass	*2
	3	3174.700000	0.016330	≤ 0.625	Pass	*1
		25496.100000	0.163310	≤ 0.625	Pass	*2
	4	3138.900000	0.016000	≤ 0.625	Pass	*1
		25804.500000	0.178360	≤ 0.625	Pass	*2
	W	3289.500000	0.089280	≤ 2.5	Pass	*1
		25825.400000	0.776720	≤ 2.5	Pass	*2
5670	1	3142.900000	0.020560	≤ 0.625	Pass	*1
		25846.200000	0.190110	≤ 0.625	Pass	*2
	2	3174.400000	0.016810	≤ 0.625	Pass	*1
		25797.200000	0.189190	≤ 0.625	Pass	*2
	3	3047.700000	0.017920	≤ 0.625	Pass	*1
		25831.600000	0.173060	≤ 0.625	Pass	*2
	4	3154.000000	0.014850	≤ 0.625	Pass	*1
		25482.000000	0.175350	≤ 0.625	Pass	*2
	W	3142.900000	0.082240	≤ 2.5	Pass	*1
		25846.200000	0.760440	≤ 2.5	Pass	*2

*1 Measurement Range : 30MHz ~ 5455MHz

*2 Measurement Range : 5455MHz ~ 5460MHz

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5210	1	2801.400000	0.016310	≤ 0.625	Pass	*1
		25545.000000	0.186470	≤ 0.625	Pass	*2
	2	3047.700000	0.020520	≤ 0.625	Pass	*1
		25552.000000	0.168690	≤ 0.625	Pass	*2
	3	3189.900000	0.017470	≤ 0.625	Pass	*1
		25482.300000	0.174340	≤ 0.625	Pass	*2
	4	3658.200000	0.174000	≤ 0.625	Pass	*1
		25482.500000	0.196740	≤ 0.625	Pass	*2
	W	3658.200000	0.696000	≤ 2.5	Pass	*1
		25482.500000	0.786960	≤ 2.5	Pass	*2

*1 Measurement Range : 30MHz ~ 5020MHz

*2 Measurement Range : 5480MHz ~ 26000MHz

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5290	1	2777.300000	0.016530	≤ 0.625	Pass	*1
		25243.900000	0.175790	≤ 0.625	Pass	*2
	2	3174.000000	0.016070	≤ 0.625	Pass	*1
		25565.800000	0.162550	≤ 0.625	Pass	*2
	3	3170.300000	0.016730	≤ 0.625	Pass	*1
		25810.700000	0.174780	≤ 0.625	Pass	*2
	4	3043.400000	0.018900	≤ 0.625	Pass	*1
		25580.400000	0.166960	≤ 0.625	Pass	*2
	W	3043.400000	0.075600	≤ 2.5	Pass	*1
		25243.900000	0.703160	≤ 2.5	Pass	*2

*1 Measurement Range : 30MHz ~ 5020MHz

*2 Measurement Range : 5480MHz ~ 26000MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Measured Freq (MHz)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5530	1	3154.000000	0.019680	≤ 0.625	Pass	*1
		25530.000000	0.197700	≤ 0.625	Pass	*2
	2	3138.400000	0.017070	≤ 0.625	Pass	*1
		25258.000000	0.177950	≤ 0.625	Pass	*2
	3	2693.900000	0.016470	≤ 0.625	Pass	*1
		25818.500000	0.219380	≤ 0.625	Pass	*2
	4	3154.700000	0.018160	≤ 0.625	Pass	*1
		25901.700000	0.156640	≤ 0.625	Pass	*2
	W	3154.000000	0.078720	≤ 2.5	Pass	*1
		25818.500000	0.877520	≤ 2.5	Pass	*2
5610	1	3130.300000	0.018380	≤ 0.625	Pass	*1
		25817.700000	0.184030	≤ 0.625	Pass	*2
	2	3178.300000	0.016790	≤ 0.625	Pass	*1
		25817.600000	0.161580	≤ 0.625	Pass	*2
	3	3055.300000	0.016770	≤ 0.625	Pass	*1
		25579.600000	0.157870	≤ 0.625	Pass	*2
	4	3185.900000	0.017200	≤ 0.625	Pass	*1
		25559.200000	0.188800	≤ 0.625	Pass	*2
	W	3130.300000	0.073520	≤ 2.5	Pass	*1
		25559.200000	0.755200	≤ 2.5	Pass	*2

*1 Measurement Range : 30MHz ~ 5340MHz

*2 Measurement Range : 5800MHz ~ 26000MHz

5.6. Tolerance for Output Power
5.6.1. Limit

Items	Modulation Method	Limits of Rated Output
Rated Output	OFDM	<W52 / W53> Occupied Bandwidth ≤ 19MHz ≤ 10 mW/MHz 19MHz < Occupied Bandwidth ≤ 38MHz ≤ 5 mW/MHz 38MHz < Occupied Bandwidth ≤ 78MHz ≤ 2.5 mW/MHz
		<W56> Occupied Bandwidth ≤ 19.7MHz ≤ 10 mW/MHz 19.7MHz < Occupied Bandwidth ≤ 38MHz ≤ 5 mW/MHz 38MHz < Occupied Bandwidth ≤ 78MHz ≤ 2.5 mW/MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Items	Tested Band	Limits of E.I.R.P.
E.I.R.P.*	W52	Occupied Bandwidth ≤ 19MHz ≤ 10 mW/MHz (10.0 dBm/MHz) 19MHz < Occupied Bandwidth ≤ 38MHz ≤ 5 mW/MHz (6.9897 dBm/MHz) 38MHz < Occupied Bandwidth ≤ 78MHz ≤ 2.5 mW/MHz (3.9794 dBm/MHz)
	W53	Occupied Bandwidth ≤ 19MHz ≤ 10 mW/MHz (10.0 dBm/MHz) (i) ≤ 5 mW/MHz (6.9897 dBm/MHz) (ii) 19MHz < Occupied Bandwidth ≤ 38MHz ≤ 5 mW/MHz (6.9897 dBm/MHz) (i) ≤ 2.5 mW/MHz (3.9794 dBm/MHz) (ii) 38MHz < Occupied Bandwidth ≤ 78MHz ≤ 2.5 mW/MHz (3.9794 dBm/MHz) (i) ≤ 1.25 mW/MHz (0.9691 dBm/MHz) (ii)
	W56	Occupied Bandwidth ≤ 19.7MHz ≤ 50 mW/MHz (16.9897 dBm/MHz) (i) ≤ 25 mW/MHz (13.9794 dBm/MHz) (ii) 19.7MHz < Occupied Bandwidth ≤ 38MHz ≤ 25 mW/MHz (13.9794 dBm/MHz) (i) ≤ 12.5 mW/MHz (10.9691 dBm/MHz) (ii) 38MHz < Occupied Bandwidth ≤ 78MHz ≤ 12.5 mW/MHz (10.9691 dBm/MHz) (i) ≤ 6.25 mW/MHz (7.9588 dBm/MHz) (ii)

* E.I.R.P. [mW/MHz] = $10^{((\text{Rated Output [dBm/MHz]} + \text{Antenna Gain [dBi]})/10)}$

(i) With TPC Function (ii) Without TPC Function

Items	Tested Band	Limits of Tolerance
Tolerance	W52 / W53	Upper / Lower +20% ~ -80% (Base on rated output power)
	W56	Upper / Lower +50% ~ -50% (Base on rated output power)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

5.6.2 Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5180	1	11.199	0.8057	4.520	2.2811		--
	2	10.802	0.7352	3.310	1.5755		--
	3	10.837	0.7412	5.460	2.6057		--
	4	10.860	0.7451	3.390	1.6263		--
	S	16.948	3.0271	4.262	8.0886	--	Pass
5240	1	11.134	0.7936	4.520	2.2470		--
	2	11.679	0.8998	3.310	1.9282		--
	3	11.678	0.8995	5.460	3.1623		--
	4	11.258	0.8165	3.390	1.7823		--
	S	17.465	3.4094	4.262	9.1197	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W52 : OFDM 20MHz System (IEEE 802.11a)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5180	S	3.0271	3.5	-13.511	Upper / Lower	Pass
5240	S	3.4094	3.5	-2.588	+20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5180	S	5.4407	4.262	9.703	≤ 10.0	Pass
5240	S	5.4407	4.262	9.703		Pass

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W53 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5260	1	11.266	0.8181	4.430	2.2688		--
	2	11.901	0.9469	3.920	2.3351		--
	3	11.758	0.9163	5.860	3.5322		--
	4	11.417	0.8471	3.380	1.8447		--
	S	17.614	3.5284	4.499	9.9809	--	Pass
5320	1	11.816	0.9287	4.430	2.5754		--
	2	11.305	0.8256	3.920	2.0359		--
	3	11.601	0.8837	5.860	3.4065		--
	4	11.442	0.8519	3.380	1.8551		--
	S	17.566	3.4898	4.499	9.8730	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W53 : OFDM 20MHz System (IEEE 802.11a)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5260	S	3.5284	3.5	+0.812	Upper / Lower	Pass
5320	S	3.4898	3.5	-0.292	+20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5260	S	5.4407	4.499	9.94	≤ 10.0	Pass
5320	S	5.4407	4.499	9.94		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5500	1	12.032	0.9760	5.040	3.1149		--
	2	12.788	1.1616	4.500	3.2737		--
	3	12.783	1.1602	5.800	4.4111		--
	4	12.244	1.0248	3.400	2.2421		--
	S	18.495	4.3226	4.771	13.0418	--	Pass
5600	1	12.385	1.0585	5.040	3.3782		--
	2	12.238	1.0234	4.500	2.8843		--
	3	12.768	1.1561	5.800	4.3954		--
	4	12.491	1.0847	3.400	2.3730		--
	S	18.495	4.3227	4.771	13.0309	--	Pass
5700	1	12.723	1.1443	5.040	3.6519		--
	2	13.328	1.3154	4.500	3.7073		--
	3	12.840	1.1756	5.800	4.4694		--
	4	12.181	1.0101	3.400	2.2099		--
	S	18.808	4.6453	4.771	14.0385	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W56 : OFDM 20MHz System (IEEE 802.11a)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5500	2	4.3226	4.5	-3.942	Upper / Lower	Pass
5600	3	4.3227	4.5	-3.941		Pass
5700	2	4.6453	4.5	+3.229	+50 ~ -50	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5500	2	6.5321	5.800	12.332		Pass
5600	3	6.5321	5.800	12.332	≤ 16.9897	Pass
5700	2	6.5321	5.800	12.332		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5180	1	11.232	0.7588	4.520	2.1484		--
	2	11.043	0.7265	3.310	1.5568		--
	3	10.786	0.6848	5.460	2.4073		--
	4	10.969	0.7118	3.390	1.5536		--
	S	17.031	2.8818	4.262	7.6662	--	Pass
5240	1	9.883	0.5562	4.520	1.5748		--
	2	11.406	0.7898	3.310	1.6925		--
	3	11.285	0.7681	5.460	2.7005		--
	4	11.395	0.7878	3.390	1.7196		--
	S	17.057	2.9020	4.262	7.6875	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5180	S	2.8818	3.3	-12.672	Upper / Lower	Pass
5240	S	2.9020	3.3	-12.06	+20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5180	S	5.1851	4.262	9.447	≤ 10.0	Pass
5240	S	5.1851	4.262	9.447		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5260	1	11.331	0.7763	4.430	2.1529		--
	2	11.592	0.8244	3.920	2.0330		--
	3	11.688	0.8428	5.860	3.2489		--
	4	11.599	0.8257	3.380	1.7982		--
	S	17.575	3.2692	4.499	9.2330	--	Pass
5320	1	11.518	0.8104	4.430	2.2476		--
	2	11.413	0.7912	3.920	1.9512		--
	3	11.365	0.7825	5.860	3.0165		--
	4	11.356	0.7808	3.380	1.7004		--
	S	17.434	3.1650	4.499	8.9157	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5260	S	3.2692	3.3	-0.932	Upper / Lower	Pass
5320	S	3.1650	3.3	-4.091	+20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5260	S	5.1851	4.499	9.684	≤ 10.0	Pass
5320	S	5.1851	4.499	9.684		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5500	1	11.052	0.7281	5.040	2.3239		--
	2	11.221	0.7569	4.500	2.1331		--
	3	11.317	0.7739	5.800	2.9421		--
	4	11.242	0.7605	3.400	1.6639		--
	S	17.230	3.0194	4.771	9.0629	--	Pass
5600	1	11.312	0.7730	5.040	2.4671		--
	2	11.397	0.7883	4.500	2.2216		--
	3	11.710	0.8472	5.800	3.2210		--
	4	11.143	0.7435	3.400	1.6266		--
	S	17.416	3.1520	4.771	9.5363	--	Pass
5700	1	11.654	0.8362	5.040	2.6689		--
	2	12.088	0.9242	4.500	2.6048		--
	3	11.802	0.8653	5.800	3.2899		--
	4	11.619	0.8297	3.400	1.8151		--
	S	17.815	3.4554	4.771	10.3787	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5500	S	3.0194	3.3	-8.504	Upper / Lower	Pass
5600	S	3.1520	3.3	-4.486		Pass
5700	S	3.4554	3.3	+4.71	+50 ~ -50	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5500	S	5.1851	4.771	9.956	≤ 16.9897	Pass
5600	S	5.1851	4.771	9.956		Pass
5700	S	5.1851	4.771	9.956		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5190	1	11.604	0.4037	4.520	1.1429		--
	2	11.815	0.4252	3.310	0.9112		--
	3	11.492	0.3934	5.460	1.3829		--
	4	11.883	0.4305	3.390	0.9396		--
	S	17.722	1.6527	4.262	4.3766	--	Pass
5230	1	11.803	0.4227	4.520	1.1967		--
	2	12.287	0.4724	3.310	1.0123		--
	3	11.877	0.4299	5.460	1.5112		--
	4	12.270	0.4706	3.390	1.0271		--
	S	18.085	1.7955	4.262	4.7473	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5190	S	1.6527	1.7	-2.782	Upper / Lower	Pass
5230	S	1.7955	1.7	+5.615	+20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5190	S	2.3045	4.262	6.567	≤ 6.9897	Pass
5230	S	2.3045	4.262	6.567		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5270	1	11.981	0.4402	4.430	1.2209		--
	2	12.114	0.4539	3.920	1.1194		--
	3	11.880	0.4302	5.860	1.6582		--
	4	11.762	0.4186	3.380	0.9116		--
	S	17.957	1.7430	4.499	4.9102	--	Pass
5310	1	12.237	0.4670	4.430	1.2951		--
	2	12.058	0.4482	3.920	1.1053		--
	3	11.832	0.4254	5.860	1.6399		--
	4	11.626	0.4057	3.380	0.8835		--
	S	17.965	1.7463	4.499	4.9238	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5270	S	1.7430	1.7	+2.527	Upper / Lower	Pass
5310	S	1.7463	1.7	+2.725	+20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5270	S	2.3045	4.499	6.804	≤ 6.9897	Pass
5310	S	2.3045	4.499	6.804		Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5510	1	11.780	0.4204	5.040	1.3417		--
	2	12.245	0.4679	4.500	1.3187		--
	3	11.896	0.4317	5.800	1.6414		--
	4	11.925	0.4347	3.400	0.9509		--
	S	17.986	1.7547	4.771	5.2527	--	Pass
5590	1	12.267	0.4703	5.040	1.5010		--
	2	12.389	0.4837	4.500	1.3631		--
	3	12.034	0.4457	5.800	1.6944		--
	4	12.078	0.4502	3.400	0.9849		--
	S	18.215	1.8498	4.771	5.5434	--	Pass
5670	1	12.610	0.5090	5.040	1.6243		--
	2	11.912	0.4333	4.500	1.2212		--
	3	12.197	0.4628	5.800	1.7594		--
	4	11.980	0.4402	3.400	0.9629		--
	S	18.204	1.8452	4.771	5.5679	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5510	S	1.7547	1.9	-7.648	Upper / Lower	Pass
5590	S	1.8498	1.9	-2.641		Pass
5670	S	1.8452	1.9	-2.885	+50 ~ -50	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5510	S	2.7875	4.771	7.559	≤ 13.9794	Pass
5590	S	2.7875	4.771	7.559		Pass
5670	S	2.7875	4.771	7.559		Pass

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5210	1	11.923	0.2055	4.520	0.5819		--
	2	11.775	0.1986	3.310	0.4256		--
	3	11.724	0.1963	5.460	0.6903		--
	4	11.988	0.2086	3.390	0.4554		--
	S	17.875	0.8091	4.262	2.1532	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5210	S	0.8091	0.85	-4.809	Upper / Lower +20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5210	S	-0.705811	4.262	3.556	≤ 3.9794	Pass

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5290	1	12.292	0.2237	4.430	0.6205		--
	2	12.074	0.2128	3.920	0.5248		--
	3	12.127	0.2154	5.860	0.8304		--
	4	11.432	0.1836	3.380	0.3997		--
	S	18.014	0.8355	4.499	2.3754	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5290	S	0.8355	0.85	-1.705	Upper / Lower +20 ~ -80	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5290	S	-0.705811	4.499	3.794	≤ 3.9794	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:エビデンス資料は1アンテナ別の測定で、表示上Failの記載がある箇所がありますが本資料が正になります。

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Total Power (dBm)	Result (*) (mW/MHz)	Ant Gain (dBi)	E.I.R.P. (mW/MHz)	Duty Cycle (%)	Verdict
5530	1	11.615	0.1902	5.040	0.6072		--
	2	11.136	0.1726	4.500	0.4864		--
	3	10.205	0.1375	5.800	0.5228		--
	4	11.366	0.1808	3.400	0.3955		--
	S	17.133	0.6811	4.771	2.0118	--	Pass
5610	1	11.241	0.1757	5.040	0.5606		--
	2	11.691	0.1942	4.500	0.5474		--
	3	11.112	0.1700	5.800	0.6462		--
	4	11.649	0.1923	3.400	0.4208		--
	S	17.451	0.7322	4.771	2.1749	--	Pass

(*) The correction value of "Duty Cycle" is included.

Tolerance [W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)]

Center Frequency (MHz)	TX	Result (mW/MHz)	Rated Output (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
5530	S	0.6811	0.9	-24.323	Upper / Lower	Pass
5610	S	0.7322	0.9	-18.649	+50 ~ -50	Pass

Center Frequency (MHz)	TX	Rated Output (dBm/MHz)	Ant Gain (dBi)	Rated E.I.R.P. (dBm/MHz)	Limit (dBm/MHz)	Verdict
5530	S	-0.4576	4.771	4.313	\leq 10.9691	Pass
5610	S	-0.4576	4.771	4.313		Pass

5.7. Adjacent Channel Leakage Power

5.7.1. Limit

Tested Band	Limits
W52 / W53	Occupied Bandwidth \leq 18MHz Center Frequency \pm 20MHz (\pm 9MHz) \leq -25 dB Center Frequency \pm 40MHz (\pm 9MHz) \leq -40 dB
	18MHz < Occupied Bandwidth \leq 19MHz Center Frequency \pm 20MHz (\pm 9.5MHz) \leq -25 dB Center Frequency \pm 40MHz (\pm 9.5MHz) \leq -40 dB
	19MHz < Occupied Bandwidth \leq 38MHz Center Frequency \pm 40MHz (\pm 19MHz) \leq -25 dB Center Frequency \pm 80MHz (\pm 19MHz) \leq -40 dB
	38MHz < Occupied Bandwidth \leq 78MHz Center Frequency \pm 80MHz (\pm 38MHz) \leq -25 dB
W56	Modulation Method: Non-OFDM 20MHz System Center Frequency \pm 20MHz (\pm 9MHz) \leq -25 dB Center Frequency \pm 40MHz (\pm 9MHz) \leq -40 dB
	Occupied Bandwidth \leq 19.7MHz Center Frequency \pm 20MHz (\pm 9.5MHz) \leq -25 dB Center Frequency \pm 40MHz (\pm 9.5MHz) \leq -40 dB
	19.7MHz < Occupied Bandwidth \leq 38MHz Center Frequency \pm 40MHz (\pm 19MHz) \leq -25 dB Center Frequency \pm 80MHz (\pm 19MHz) \leq -40 dB
	38MHz < Occupied Bandwidth \leq 78MHz Center Frequency \pm 80MHz (\pm 38MHz) \leq -25 dB

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.7.2 Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz) [cf]	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5180	1	cf±20MHz	-41.78	-41.11	≤ -25	Pass
		cf±40MHz	-55.72	-55.83	≤ -40	Pass
	2	cf±20MHz	-43.45	-42.28	≤ -25	Pass
		cf±40MHz	-56.28	-55.58	≤ -40	Pass
	3	cf±20MHz	-43.60	-42.96	≤ -25	Pass
		cf±40MHz	-55.68	-55.27	≤ -40	Pass
	4	cf±20MHz	-41.54	-40.17	≤ -25	Pass
		cf±40MHz	-55.75	-55.12	≤ -40	Pass
	S	cf±20MHz	-42.47	-41.49	≤ -25	Pass
		cf±40MHz	-55.85	-55.45	≤ -40	Pass
	C	cf±20MHz	-42.08	-42.18	≤ -25	Pass
		cf±40MHz	-48.67	-48.20	≤ -40	Pass
5240	1	cf±20MHz	-43.10	-42.11	≤ -25	Pass
		cf±40MHz	-55.24	-54.51	≤ -40	Pass
	2	cf±20MHz	-43.64	-42.04	≤ -25	Pass
		cf±40MHz	-56.52	-55.88	≤ -40	Pass
	3	cf±20MHz	-43.71	-42.67	≤ -25	Pass
		cf±40MHz	-55.62	-54.68	≤ -40	Pass
	4	cf±20MHz	-43.03	-41.67	≤ -25	Pass
		cf±40MHz	-55.81	-54.91	≤ -40	Pass
	S	cf±20MHz	-43.38	-42.12	≤ -25	Pass
		cf±40MHz	-55.79	-54.98	≤ -40	Pass
	C	cf±20MHz	-42.68	-43.18	≤ -25	Pass
		cf±40MHz	-48.50	-47.87	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5260	1	cf±20MHz	-43.48	-42.22	≤ -25	Pass
		cf±40MHz	-55.27	-54.46	≤ -40	Pass
	2	cf±20MHz	-43.46	-41.68	≤ -25	Pass
		cf±40MHz	-56.80	-56.16	≤ -40	Pass
	3	cf±20MHz	-43.71	-42.65	≤ -25	Pass
		cf±40MHz	-55.73	-54.78	≤ -40	Pass
	4	cf±20MHz	-43.38	-42.02	≤ -25	Pass
		cf±40MHz	-55.88	-55.11	≤ -40	Pass
	S	cf±20MHz	-43.51	-42.12	≤ -25	Pass
		cf±40MHz	-55.91	-55.11	≤ -40	Pass
	C	cf±20MHz	-42.93	-43.31	≤ -25	Pass
		cf±40MHz	-48.33	-47.75	≤ -40	Pass
5320	1	cf±20MHz	-43.50	-42.31	≤ -25	Pass
		cf±40MHz	-55.20	-54.48	≤ -40	Pass
	2	cf±20MHz	-42.35	-41.24	≤ -25	Pass
		cf±40MHz	-56.45	-56.04	≤ -40	Pass
	3	cf±20MHz	-43.56	-42.71	≤ -25	Pass
		cf±40MHz	-54.75	-54.39	≤ -40	Pass
	4	cf±20MHz	-43.47	-42.27	≤ -25	Pass
		cf±40MHz	-54.79	-54.27	≤ -40	Pass
	S	cf±20MHz	-43.21	-42.11	≤ -25	Pass
		cf±40MHz	-55.23	-54.72	≤ -40	Pass
	C	cf±20MHz	-43.54	-43.68	≤ -25	Pass
		cf±40MHz	-47.76	-47.44	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5500	1	cf±20MHz	-43.78	-42.17	≤ -25	Pass
		cf±40MHz	-57.49	-56.37	≤ -40	Pass
	2	cf±20MHz	-43.19	-42.68	≤ -25	Pass
		cf±40MHz	-54.43	-54.38	≤ -40	Pass
	3	cf±20MHz	-42.79	-42.70	≤ -25	Pass
		cf±40MHz	-54.90	-55.06	≤ -40	Pass
	4	cf±20MHz	-43.69	-42.72	≤ -25	Pass
		cf±40MHz	-56.18	-55.38	≤ -40	Pass
	S	cf±20MHz	-43.32	-42.57	≤ -25	Pass
		cf±40MHz	-55.51	-55.19	≤ -40	Pass
	C	cf±20MHz	-43.43	-44.37	≤ -25	Pass
		cf±40MHz	-48.64	-48.19	≤ -40	Pass
5600	1	cf±20MHz	-43.20	-41.87	≤ -25	Pass
		cf±40MHz	-54.38	-53.61	≤ -40	Pass
	2	cf±20MHz	-43.38	-42.55	≤ -25	Pass
		cf±40MHz	-54.10	-53.48	≤ -40	Pass
	3	cf±20MHz	-42.48	-42.04	≤ -25	Pass
		cf±40MHz	-55.06	-54.50	≤ -40	Pass
	4	cf±20MHz	-43.50	-42.30	≤ -25	Pass
		cf±40MHz	-54.86	-53.96	≤ -40	Pass
	S	cf±20MHz	-43.11	-42.18	≤ -25	Pass
		cf±40MHz	-54.60	-53.89	≤ -40	Pass
	C	cf±20MHz	-44.11	-43.05	≤ -25	Pass
		cf±40MHz	-48.79	-48.10	≤ -40	Pass
5700	1	cf±20MHz	-43.46	-42.04	≤ -25	Pass
		cf±40MHz	-54.41	-53.91	≤ -40	Pass
	2	cf±20MHz	-43.88	-41.98	≤ -25	Pass
		cf±40MHz	-55.99	-55.23	≤ -40	Pass
	3	cf±20MHz	-43.61	-41.97	≤ -25	Pass
		cf±40MHz	-55.00	-54.04	≤ -40	Pass
	4	cf±20MHz	-43.71	-42.07	≤ -25	Pass
		cf±40MHz	-55.40	-55.17	≤ -40	Pass
	S	cf±20MHz	-43.67	-42.01	≤ -25	Pass
		cf±40MHz	-55.18	-54.55	≤ -40	Pass
	C	cf±20MHz	-43.70	-42.67	≤ -25	Pass
		cf±40MHz	-47.29	-47.77	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5180	1	cf±20MHz	-39.86	-39.10	≤ -25	Pass
		cf±40MHz	-55.60	-55.64	≤ -40	Pass
	2	cf±20MHz	-40.91	-39.84	≤ -25	Pass
		cf±40MHz	-56.12	-55.50	≤ -40	Pass
	3	cf±20MHz	-40.77	-40.02	≤ -25	Pass
		cf±40MHz	-55.39	-55.00	≤ -40	Pass
	4	cf±20MHz	-39.85	-38.60	≤ -25	Pass
		cf±40MHz	-55.54	-54.91	≤ -40	Pass
	S	cf±20MHz	-40.31	-39.34	≤ -25	Pass
		cf±40MHz	-55.66	-55.26	≤ -40	Pass
	C	cf±20MHz	-43.50	-42.54	≤ -25	Pass
		cf±40MHz	-48.60	-48.13	≤ -40	Pass
5240	1	cf±20MHz	-40.64	-39.70	≤ -25	Pass
		cf±40MHz	-55.10	-54.30	≤ -40	Pass
	2	cf±20MHz	-40.60	-39.58	≤ -25	Pass
		cf±40MHz	-55.87	-55.30	≤ -40	Pass
	3	cf±20MHz	-40.71	-40.03	≤ -25	Pass
		cf±40MHz	-55.16	-54.45	≤ -40	Pass
	4	cf±20MHz	-40.46	-39.64	≤ -25	Pass
		cf±40MHz	-55.33	-54.72	≤ -40	Pass
	S	cf±20MHz	-40.60	-39.73	≤ -25	Pass
		cf±40MHz	-55.38	-54.71	≤ -40	Pass
	C	cf±20MHz	-41.49	-41.60	≤ -25	Pass
		cf±40MHz	-48.16	-47.57	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5260	1	cf±20MHz	-40.62	-39.73	≤ -25	Pass
		cf±40MHz	-55.12	-54.49	≤ -40	Pass
	2	cf±20MHz	-40.69	-39.47	≤ -25	Pass
		cf±40MHz	-55.94	-55.29	≤ -40	Pass
	3	cf±20MHz	-40.94	-39.94	≤ -25	Pass
		cf±40MHz	-56.39	-55.80	≤ -40	Pass
	4	cf±20MHz	-40.45	-39.54	≤ -25	Pass
		cf±40MHz	-55.10	-54.66	≤ -40	Pass
	S	cf±20MHz	-40.67	-39.67	≤ -25	Pass
		cf±40MHz	-55.61	-55.04	≤ -40	Pass
	C	cf±20MHz	-41.72	-41.80	≤ -25	Pass
		cf±40MHz	-48.02	-47.39	≤ -40	Pass
5320	1	cf±20MHz	-40.79	-39.85	≤ -25	Pass
		cf±40MHz	-56.62	-56.05	≤ -40	Pass
	2	cf±20MHz	-40.63	-39.83	≤ -25	Pass
		cf±40MHz	-55.95	-55.59	≤ -40	Pass
	3	cf±20MHz	-40.82	-39.99	≤ -25	Pass
		cf±40MHz	-56.24	-55.77	≤ -40	Pass
	4	cf±20MHz	-40.63	-39.84	≤ -25	Pass
		cf±40MHz	-54.63	-54.36	≤ -40	Pass
	S	cf±20MHz	-40.72	-39.88	≤ -25	Pass
		cf±40MHz	-55.80	-55.40	≤ -40	Pass
	C	cf±20MHz	-42.55	-42.48	≤ -25	Pass
		cf±40MHz	-47.51	-47.13	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5500	1	cf±20MHz	-40.89	-39.90	≤ -25	Pass
		cf±40MHz	-56.80	-55.90	≤ -40	Pass
	2	cf±20MHz	-40.62	-39.98	≤ -25	Pass
		cf±40MHz	-56.52	-56.27	≤ -40	Pass
	3	cf±20MHz	-40.44	-40.16	≤ -25	Pass
		cf±40MHz	-54.50	-54.90	≤ -40	Pass
	4	cf±20MHz	-40.58	-39.97	≤ -25	Pass
		cf±40MHz	-55.31	-54.75	≤ -40	Pass
	S	cf±20MHz	-40.63	-40.00	≤ -25	Pass
		cf±40MHz	-55.66	-55.40	≤ -40	Pass
	C	cf±20MHz	-42.41	-42.50	≤ -25	Pass
		cf±40MHz	-48.29	-47.89	≤ -40	Pass
5600	1	cf±20MHz	-40.94	-39.71	≤ -25	Pass
		cf±40MHz	-56.34	-55.53	≤ -40	Pass
	2	cf±20MHz	-40.70	-39.82	≤ -25	Pass
		cf±40MHz	-56.58	-55.94	≤ -40	Pass
	3	cf±20MHz	-40.65	-39.92	≤ -25	Pass
		cf±40MHz	-55.42	-54.90	≤ -40	Pass
	4	cf±20MHz	-40.80	-39.60	≤ -25	Pass
		cf±40MHz	-54.86	-53.78	≤ -40	Pass
	S	cf±20MHz	-40.77	-39.77	≤ -25	Pass
		cf±40MHz	-55.75	-54.97	≤ -40	Pass
	C	cf±20MHz	-42.49	-41.45	≤ -25	Pass
		cf±40MHz	-48.56	-47.93	≤ -40	Pass
5700	1	cf±20MHz	-40.75	-39.79	≤ -25	Pass
		cf±40MHz	-56.16	-56.09	≤ -40	Pass
	2	cf±20MHz	-41.00	-39.55	≤ -25	Pass
		cf±40MHz	-56.94	-56.25	≤ -40	Pass
	3	cf±20MHz	-40.93	-39.50	≤ -25	Pass
		cf±40MHz	-55.51	-54.13	≤ -40	Pass
	4	cf±20MHz	-40.69	-39.50	≤ -25	Pass
		cf±40MHz	-54.70	-53.63	≤ -40	Pass
	S	cf±20MHz	-40.85	-39.58	≤ -25	Pass
		cf±40MHz	-55.78	-54.90	≤ -40	Pass
	C	cf±20MHz	-41.62	-40.94	≤ -25	Pass
		cf±40MHz	-47.16	-47.59	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5190	1	cf±40MHz	-44.57	-44.05	≤ -25	Pass
		cf±80MHz	-52.86	-52.68	≤ -40	Pass
	2	cf±40MHz	-47.20	-45.02	≤ -25	Pass
		cf±80MHz	-54.01	-53.10	≤ -40	Pass
	3	cf±40MHz	-46.93	-46.62	≤ -25	Pass
		cf±80MHz	-52.81	-52.31	≤ -40	Pass
	4	cf±40MHz	-45.19	-43.52	≤ -25	Pass
		cf±80MHz	-53.58	-52.38	≤ -40	Pass
	S	cf±40MHz	-45.83	-44.62	≤ -25	Pass
		cf±80MHz	-53.30	-52.61	≤ -40	Pass
	C	cf±40MHz	-43.32	-42.62	≤ -25	Pass
		cf±80MHz	-45.40	-44.65	≤ -40	Pass
5230	1	cf±40MHz	-46.40	-44.50	≤ -25	Pass
		cf±80MHz	-52.92	-52.12	≤ -40	Pass
	2	cf±40MHz	-46.75	-44.22	≤ -25	Pass
		cf±80MHz	-54.30	-52.98	≤ -40	Pass
	3	cf±40MHz	-47.07	-46.48	≤ -25	Pass
		cf±80MHz	-52.95	-51.84	≤ -40	Pass
	4	cf±40MHz	-46.53	-44.33	≤ -25	Pass
		cf±80MHz	-53.39	-52.17	≤ -40	Pass
	S	cf±40MHz	-46.68	-44.77	≤ -25	Pass
		cf±80MHz	-53.38	-52.27	≤ -40	Pass
	C	cf±40MHz	-43.27	-42.50	≤ -25	Pass
		cf±80MHz	-45.46	-44.30	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5270	1	cf±40MHz	-46.58	-44.88	≤ -25	Pass
		cf±80MHz	-53.38	-52.18	≤ -40	Pass
	2	cf±40MHz	-46.72	-44.51	≤ -25	Pass
		cf±80MHz	-54.00	-53.04	≤ -40	Pass
	3	cf±40MHz	-47.52	-46.54	≤ -25	Pass
		cf±80MHz	-54.32	-53.16	≤ -40	Pass
	4	cf±40MHz	-46.17	-44.78	≤ -25	Pass
		cf±80MHz	-53.40	-52.32	≤ -40	Pass
	S	cf±40MHz	-46.72	-45.10	≤ -25	Pass
		cf±80MHz	-53.76	-52.66	≤ -40	Pass
	C	cf±40MHz	-42.98	-42.50	≤ -25	Pass
		cf±80MHz	-45.30	-44.19	≤ -40	Pass
5310	1	cf±40MHz	-46.69	-44.88	≤ -25	Pass
		cf±80MHz	-52.79	-51.85	≤ -40	Pass
	2	cf±40MHz	-46.49	-44.91	≤ -25	Pass
		cf±80MHz	-53.96	-53.50	≤ -40	Pass
	3	cf±40MHz	-47.11	-46.34	≤ -25	Pass
		cf±80MHz	-54.24	-53.72	≤ -40	Pass
	4	cf±40MHz	-46.36	-45.18	≤ -25	Pass
		cf±80MHz	-52.70	-52.15	≤ -40	Pass
	S	cf±40MHz	-46.66	-45.27	≤ -25	Pass
		cf±80MHz	-53.37	-52.72	≤ -40	Pass
	C	cf±40MHz	-42.44	-42.27	≤ -25	Pass
		cf±80MHz	-44.70	-44.41	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5510	1	cf±40MHz	-47.10	-44.67	≤ -25	Pass
		cf±80MHz	-53.24	-50.89	≤ -40	Pass
	2	cf±40MHz	-46.52	-46.12	≤ -25	Pass
		cf±80MHz	-52.24	-51.37	≤ -40	Pass
	3	cf±40MHz	-45.22	-45.53	≤ -25	Pass
		cf±80MHz	-52.57	-52.18	≤ -40	Pass
	4	cf±40MHz	-47.04	-45.90	≤ -25	Pass
		cf±80MHz	-53.37	-51.67	≤ -40	Pass
	S	cf±40MHz	-46.40	-45.54	≤ -25	Pass
		cf±80MHz	-52.82	-51.50	≤ -40	Pass
	C	cf±40MHz	-42.67	-42.59	≤ -25	Pass
		cf±80MHz	-44.96	-44.19	≤ -40	Pass
5590	1	cf±40MHz	-47.64	-44.64	≤ -25	Pass
		cf±80MHz	-54.56	-52.76	≤ -40	Pass
	2	cf±40MHz	-46.77	-45.98	≤ -25	Pass
		cf±80MHz	-52.70	-50.83	≤ -40	Pass
	3	cf±40MHz	-45.58	-45.14	≤ -25	Pass
		cf±80MHz	-53.14	-51.70	≤ -40	Pass
	4	cf±40MHz	-46.99	-45.07	≤ -25	Pass
		cf±80MHz	-53.16	-51.02	≤ -40	Pass
	S	cf±40MHz	-46.69	-45.19	≤ -25	Pass
		cf±80MHz	-53.34	-51.51	≤ -40	Pass
	C	cf±40MHz	-42.90	-42.56	≤ -25	Pass
		cf±80MHz	-46.01	-44.84	≤ -40	Pass
5670	1	cf±40MHz	-47.26	-44.27	≤ -25	Pass
		cf±80MHz	-52.79	-51.26	≤ -40	Pass
	2	cf±40MHz	-47.03	-44.43	≤ -25	Pass
		cf±80MHz	-52.02	-49.00	≤ -40	Pass
	3	cf±40MHz	-46.39	-44.57	≤ -25	Pass
		cf±80MHz	-52.85	-50.70	≤ -40	Pass
	4	cf±40MHz	-47.08	-44.39	≤ -25	Pass
		cf±80MHz	-52.63	-50.42	≤ -40	Pass
	S	cf±40MHz	-46.93	-44.41	≤ -25	Pass
		cf±80MHz	-52.57	-50.31	≤ -40	Pass
	C	cf±40MHz	-41.87	-41.68	≤ -25	Pass
		cf±80MHz	-44.04	-43.93	≤ -40	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5210	1	cf±80MHz	-39.89	-40.58	≤ -25	Pass
	2	cf±80MHz	-41.29	-40.46	≤ -25	Pass
	3	cf±80MHz	-42.06	-41.03	≤ -25	Pass
	4	cf±80MHz	-40.38	-40.53	≤ -25	Pass
	S	cf±80MHz	-40.81	-40.64	≤ -25	Pass
	C	cf±80MHz	-40.20	-39.12	≤ -25	Pass

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5290	1	cf±80MHz	-41.13	-40.56	≤ -25	Pass
	2	cf±80MHz	-41.11	-41.08	≤ -25	Pass
	3	cf±80MHz	-41.79	-40.71	≤ -25	Pass
	4	cf±80MHz	-41.25	-41.51	≤ -25	Pass
	S	cf±80MHz	-41.31	-40.93	≤ -25	Pass
	C	cf±80MHz	-39.25	-38.42	≤ -25	Pass

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Detuning frequency (MHz)	Result (dB)		Limit (dB)	Verdict
			Lower	Upper		
5530	1	cf±80MHz	-42.24	-39.57	≤ -25	Pass
	2	cf±80MHz	-41.74	-40.53	≤ -25	Pass
	3	cf±80MHz	-40.28	-39.20	≤ -25	Pass
	4	cf±80MHz	-42.33	-40.57	≤ -25	Pass
	S	cf±80MHz	-41.67	-39.96	≤ -25	Pass
	C	cf±80MHz	-38.66	-37.84	≤ -25	Pass
5610	1	cf±80MHz	-41.89	-40.23	≤ -25	Pass
	2	cf±80MHz	-41.97	-39.83	≤ -25	Pass
	3	cf±80MHz	-40.81	-38.95	≤ -25	Pass
	4	cf±80MHz	-42.37	-40.25	≤ -25	Pass
	S	cf±80MHz	-41.75	-39.80	≤ -25	Pass
	C	cf±80MHz	-38.76	-37.93	≤ -25	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.8. Out-band Leakage Power

5.8.1. Limit

Tested Band	Limits
W52	Bandwidth ≤ 18MHz 5140MHz ~ 5142MHz : ≤ 2.5 μW/MHz 5142MHz ~ 5150MHz : ≤ 15 μW/MHz 5250MHz ~ 5251MHz : ≤ 10 ^{1-(f-5240-9)} mW/MHz 5251MHz ~ 5260MHz : ≤ 10 ^{-1-(8/90)(f-5240-11)} mW/MHz 5260MHz ~ 5266.7MHz : ≤ 10 ^{-1.8-(6/50)(f-5240-20)} mW/MHz 5266.7MHz ~ 5360MHz : ≤ 2.5 μW/MHz *f = Measured Frequency
	18MHz < Bandwidth ≤ 19MHz 5135MHz ~ 5142MHz : ≤ 2.5 μW/MHz 5142MHz ~ 5150MHz : ≤ 15 μW/MHz 5250MHz ~ 5251MHz : ≤ 10 ^{1-(f-5240-9)} mW/MHz 5251MHz ~ 5260MHz : ≤ 10 ^{-1-(8/90)(f-5240-11)} mW/MHz 5260MHz ~ 5266.7MHz : ≤ 10 ^{-1.8-(6/50)(f-5240-20)} mW/MHz 5266.7MHz ~ 5365MHz : ≤ 2.5 μW/MHz *f = Measured Frequency
	Bandwidth ≤ 38MHz 5100MHz ~ 5141.6MHz : ≤ 2.5 μW/MHz 5141.6MHz ~ 5150MHz : ≤ 15 μW/MHz 5250MHz ~ 5251MHz : ≤ 10 ^{-(f-5230-20)+Log(1/2)} mW/MHz 5251MHz ~ 5270MHz : ≤ 10 ^{-(8/190)(f-5230-21)-1+Log(1/2)} mW/MHz 5270MHz ~ 5278.4MHz : ≤ 10 ^{-(3/50)(f-5230-40)-1.8+Log(1/2)} mW/MHz 5278.4MHz ~ 5400MHz : ≤ 2.5 μW/MHz *f = Measured Frequency
	Bandwidth ≤ 78MHz 5020MHz ~ 5123.2MHz : ≤ 2.5 μW/MHz 5123.2MHz ~ 5150MHz : ≤ 15 μW/MHz 5250MHz ~ 5251MHz : ≤ 10 ^{-(f-5210-40)+Log(1/4)} mW/MHz 5251MHz ~ 5290MHz : ≤ 10 ^{-(8/390)(f-5210-41)-1+Log(1/4)} mW/MHz 5290MHz ~ 5296.7MHz : ≤ 10 ^{-(3/100)(f-5210-80)-1.8+Log(1/4)} mW/MHz 5296.7MHz ~ 5480MHz : ≤ 2.5 μW/MHz *f = Measured Frequency

Tested Band	Limits
W53	Bandwidth ≤ 18MHz 5140MHz ~ 5233.3MHz : ≤ 2.5 μW/MHz 5233.3MHz ~ 5240MHz : ≤ 10 ^{-1.8-(6/50)(5260-f-20)} mW/MHz 5240MHz ~ 5249MHz : ≤ 10 ^{-1-(8/90)(5260-f-11)} mW/MHz 5249MHz ~ 5250MHz : ≤ 10 ^{1-(5260-f-9)} mW/MHz 5350MHz ~ 5360MHz : ≤ 2.5 μW/MHz *f = Measured Frequency
	18MHz < Bandwidth ≤ 19MHz 5135MHz ~ 5233.3MHz : ≤ 2.5 μW/MHz 5233.3MHz ~ 5240MHz : ≤ 10 ^{-1.8-(6/50)(5260-f-20)} mW/MHz 5240MHz ~ 5249MHz : ≤ 10 ^{-1-(8/90)(5260-f-11)} mW/MHz 5249MHz ~ 5250MHz : ≤ 10 ^{1-(5260-f-9)} mW/MHz 5350MHz ~ 5365MHz : ≤ 2.5 μW/MHz *f = Measured Frequency
	Bandwidth ≤ 38MHz 5100MHz ~ 5221.6MHz : ≤ 2.5 μW/MHz 5221.6MHz ~ 5230MHz : ≤ 10 ^{-(3/50)(5270-f-40)-1.8+Log(1/2)} mW/MHz 5230MHz ~ 5249MHz : ≤ 10 ^{-(8/190)(5270-f-21)-1+Log(1/2)} mW/MHz 5249MHz ~ 5250MHz : ≤ 10 ^{-(5270-f-20)+Log(1/2)} mW/MHz 5350MHz ~ 5358.4MHz : ≤ 15 μW/MHz 5358.4MHz ~ 5400MHz : ≤ 2.5 μW/MHz *f = Measured Frequency
	Bandwidth ≤ 78MHz 5020MHz ~ 5203.3MHz : ≤ 2.5 μW/MHz 5203.3MHz ~ 5210MHz : ≤ 10 ^{-(3/100)(5290-f-80)-1.8+Log(1/4)} mW/MHz 5210MHz ~ 5249MHz : ≤ 10 ^{-(8/390)(5290-f-41)-1+Log(1/4)} mW/MHz 5249MHz ~ 5250MHz : ≤ 10 ^{-(5290-f-40)+Log(1/4)} mW/MHz 5350MHz ~ 5376.8MHz : ≤ 15 μW/MHz 5376.8MHz ~ 5480MHz : ≤ 2.5 μW/MHz *f = Measured Frequency

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Tested Band	Limits
W56	Bandwidth ≤ 19.7MHz (Modulation Method : Others) 5460MHz ~ 5470MHz : ≤ 12.5 μW/MHz 5725MHz ~ 5740MHz : ≤ 12.5 μW/MHz
	Bandwidth ≤ 19.7MHz (Modulation Method : OFDM) 5455MHz ~ 5460MHz : ≤ 2.5 μW/MHz 5460MHz ~ 5470MHz : ≤ 12.5 μW/MHz 5725MHz ~ 5740MHz : ≤ 12.5 μW/MHz 5740MHz ~ 5745MHz : ≤ 2.5 μW/MHz
	Bandwidth ≤ 38MHz 5420MHz ~ 5460MHz : ≤ 12.5 μW/MHz 5460MHz ~ 5470MHz : ≤ 50 μW/MHz 5725MHz ~ 5760MHz : ≤ 12.5 μW/MHz
	Bandwidth ≤ 78MHz 5340MHz ~ 5460MHz : ≤ 12.5 μW/MHz 5460MHz ~ 5469.5MHz : ≤ 50 μW/MHz 5469.5MHz ~ 5470MHz : ≤ 51.2 μW/MHz 5725MHz ~ 5800MHz : ≤ 12.5 μW/MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.8.2 Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5180	1	5136.0	5.10	0.061774	≤ 0.625	Pass	*1,*2
		5136.0	5.10	0.061774	≤ 0.625	Pass	*1,*2
		5147.9	5.10	0.057988	≤ 3.75	Pass	*3
		5250.5	5.10	0.044041	≤ 79.057	Pass	*4
		5259.5	5.10	0.037958	≤ 4.389	Pass	*5
		5266.2	5.10	0.043879	≤ 0.714	Pass	*6
		5283.3	5.10	0.084231	≤ 0.625	Pass	*7,*8
		5283.3	5.10	0.084231	≤ 0.625	Pass	*7,*8
	2	5135.50	4.61	0.040036	≤ 0.625	Pass	*1,*2
		5135.50	4.61	0.040036	≤ 0.625	Pass	*1,*2
		5149.50	4.61	0.041568	≤ 3.75	Pass	*3
		5250.50	4.61	0.029687	≤ 79.057	Pass	*4
		5259.80	4.61	0.029976	≤ 4.128	Pass	*5
		5266.70	4.61	0.033012	≤ 0.622	Pass	*6
		5348.30	4.61	0.039978	≤ 0.625	Pass	*7,*8
		5348.30	4.61	0.039978	≤ 0.625	Pass	*7,*8
	3	5139.20	5.96	0.070292	≤ 0.625	Pass	*1,*2
		5139.20	5.96	0.070292	≤ 0.625	Pass	*1,*2
		5149.80	5.96	0.064967	≤ 3.75	Pass	*3
		5250.90	5.96	0.056999	≤ 31.473	Pass	*4
		5259.80	5.96	0.053567	≤ 4.128	Pass	*5
		5266.20	5.96	0.049504	≤ 0.714	Pass	*6
		5329.50	5.96	0.067689	≤ 0.625	Pass	*7,*8
		5329.50	5.96	0.067689	≤ 0.625	Pass	*7,*8
	4	5137.60	3.51	0.032088	≤ 0.625	Pass	*1,*2
		5137.60	3.51	0.032088	≤ 0.625	Pass	*1,*2
		5148.40	3.51	0.037944	≤ 3.75	Pass	*3
		5250.70	3.51	0.034937	≤ 49.882	Pass	*4
		5259.90	3.51	0.028116	≤ 4.044	Pass	*5
		5266.60	3.51	0.030449	≤ 0.64	Pass	*6
		5327.10	3.51	0.035094	≤ 0.625	Pass	*7,*8
		5327.10	3.51	0.035094	≤ 0.625	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
 *1,*2 Measurement Range : 5140MHz ~ 5142MHz
 *3 Measurement Range : 5142MHz ~ 5150MHz
 *4 Measurement Range : 5250MHz ~ 5251MHz
 *5 Measurement Range : 5251MHz ~ 5260MHz
 *6 Measurement Range : 5260MHz ~ 5266.7MHz
 *7,*8 Measurement Range : 5266.7MHz ~ 5360MHz
 *7,*8 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5180	W	5139.200000	5.960	0.281169	≤ 2.5	Pass	*1,*2
		5139.200000	5.960	0.281169	≤ 2.5	Pass	*1,*2
		5149.800000	5.960	0.259868	≤ 15.0	Pass	*3
		5250.900000	5.960	0.227996	≤ 125.892	Pass	*4
		5259.800000	5.960	0.214269	≤ 16.511	Pass	*5
		5266.200000	5.960	0.198018	≤ 2.857	Pass	*6
		5283.300000	5.100	0.336926	≤ 2.5	Pass	*7,*8
	C	5283.300000	5.100	0.336926	≤ 2.5	Pass	*7,*8
		5138.800000	4.884	1.936760	≤ 2.5	Pass	*1,*2
		5138.800000	4.884	1.936760	≤ 2.5	Pass	*1,*2
		5146.000000	4.884	1.489631	≤ 15.0	Pass	*3
		5250.800000	4.884	1.675866	≤ 158.489	Pass	*4
		5259.500000	4.884	1.352010	≤ 17.556	Pass	*5
		5265.700000	4.884	1.649265	≤ 3.28	Pass	*6
		5320.900000	4.884	1.986914	≤ 2.5	Pass	*7,*8
		5320.900000	4.884	1.986914	≤ 2.5	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
*1,*2 Measurement Range : 5140MHz ~ 5142MHz
*3 Measurement Range : 5142MHz ~ 5150MHz
*4 Measurement Range : 5250MHz ~ 5251MHz
*5 Measurement Range : 5251MHz ~ 5260MHz
*6 Measurement Range : 5260MHz ~ 5266.7MHz
*7,*8 Measurement Range : 5266.7MHz ~ 5360MHz
*7,*8 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5240	1	5136.000000	5.100	0.056046	≤ 0.625	Pass	*1,*2
		5136.000000	5.100	0.056046	≤ 0.625	Pass	*1,*2
		5149.100000	5.100	0.044171	≤ 3.75	Pass	*3
		5250.400000	5.100	24.507204	≤ 99.527	Pass	*4
		5251.500000	5.100	14.082149	≤ 22.568	Pass	*5
		5266.200000	5.100	0.065334	≤ 0.714	Pass	*6
		5310.300000	5.100	0.057600	≤ 0.625	Pass	*7,*8
		5310.300000	5.100	0.057600	≤ 0.625	Pass	*7,*8
		5140.800000	4.610	0.032491	≤ 0.625	Pass	*1,*2
		5140.800000	4.610	0.032491	≤ 0.625	Pass	*1,*2
	2	5145.200000	4.610	0.032925	≤ 3.75	Pass	*3
		5250.400000	4.610	40.747746	≤ 99.527	Pass	*4
		5251.500000	4.610	20.467257	≤ 22.568	Pass	*5
		5266.600000	4.610	0.053853	≤ 0.64	Pass	*6
		5291.300000	4.610	0.046135	≤ 0.625	Pass	*7,*8
		5291.300000	4.610	0.046135	≤ 0.625	Pass	*7,*8
	3	5138.800000	5.960	0.057906	≤ 0.625	Pass	*1,*2
		5138.800000	5.960	0.057906	≤ 0.625	Pass	*1,*2
		5147.200000	5.960	0.059681	≤ 3.75	Pass	*3
		5250.400000	5.960	37.053544	≤ 99.527	Pass	*4
		5251.500000	5.960	19.927391	≤ 22.568	Pass	*5
		5266.000000	5.960	0.108555	≤ 0.755	Pass	*6
		5267.200000	5.960	0.083270	≤ 0.625	Pass	*7,*8
		5267.200000	5.960	0.083270	≤ 0.625	Pass	*7,*8
	4	5135.900000	3.510	0.026141	≤ 0.625	Pass	*1,*2
		5135.900000	3.510	0.026141	≤ 0.625	Pass	*1,*2
		5142.300000	3.510	0.026209	≤ 3.75	Pass	*3
		5250.500000	3.510	19.710371	≤ 79.057	Pass	*4
		5251.500000	3.510	14.849584	≤ 22.568	Pass	*5
		5266.500000	3.510	0.060517	≤ 0.658	Pass	*6
		5269.300000	3.510	0.050039	≤ 0.625	Pass	*7,*8
		5269.300000	3.510	0.050039	≤ 0.625	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
*1,*2 Measurement Range : 5140MHz ~ 5142MHz
*3 Measurement Range : 5142MHz ~ 5150MHz
*4 Measurement Range : 5250MHz ~ 5251MHz
*5 Measurement Range : 5251MHz ~ 5260MHz
*6 Measurement Range : 5260MHz ~ 5266.7MHz
*7,*8 Measurement Range : 5266.7MHz ~ 5360MHz
*7,*8 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5240	W	5138.800000	5.960	0.231625	≤ 2.5	Pass	*1,*2
		5138.800000	5.960	0.231625	≤ 2.5	Pass	*1,*2
		5147.200000	5.960	0.238726	≤ 15.0	Pass	*3
		5250.400000	4.610	162.990985	≤ 398.107	Pass	*4
		5251.500000	4.610	81.869026	≤ 90.272	Pass	*5
		5266.000000	5.960	0.434219	≤ 3.019	Pass	*6
		5267.200000	5.960	0.333080	≤ 2.5	Pass	*7,*8
		5267.200000	5.960	0.333080	≤ 2.5	Pass	*7,*8
	C	5139.800000	4.884	1.557672	≤ 2.5	Pass	*1,*2
		5139.800000	4.884	1.557672	≤ 2.5	Pass	*1,*2
		5147.600000	4.884	1.487907	≤ 15.0	Pass	*3
		5250.400000	4.884	63.680495	≤ 398.107	Pass	*4
		5255.800000	4.884	13.898081	≤ 37.439	Pass	*5
		5266.200000	4.884	1.482581	≤ 2.857	Pass	*6
		5335.600000	4.884	2.147718	≤ 2.5	Pass	*7,*8
		5335.600000	4.884	2.147718	≤ 2.5	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
*1,*2 Measurement Range : 5140MHz ~ 5142MHz
*3 Measurement Range : 5142MHz ~ 5150MHz
*4 Measurement Range : 5250MHz ~ 5251MHz
*5 Measurement Range : 5251MHz ~ 5260MHz
*6 Measurement Range : 5260MHz ~ 5266.7MHz
*7,*8 Measurement Range : 5266.7MHz ~ 5360MHz
*7,*8 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 20MHz System (IEEE 802.11a)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5260	1	5232.000000	5.100	0.059735	≤ 0.625	Pass	*1*2
		5232.000000	5.100	0.059735	≤ 0.625	Pass	*1*2
		5233.400000	5.100	0.062162	≤ 0.64	Pass	*3
		5248.500000	5.100	15.918607	≤ 22.568	Pass	*4
		5249.900000	5.100	73.528439	≤ 198.582	Pass	*5
		5357.900000	5.100	0.066596	≤ 0.625	Pass	*6*7
		5357.900000	5.100	0.066596	≤ 0.625	Pass	*6*7
	2	5201.300000	4.610	0.056686	≤ 0.625	Pass	*1*2
		5201.300000	4.610	0.056686	≤ 0.625	Pass	*1*2
		5234.200000	4.610	0.074088	≤ 0.798	Pass	*3
		5248.500000	4.610	16.132913	≤ 22.568	Pass	*4
		5250.000000	4.610	65.423573	≤ 250.0	Pass	*5
		5357.900000	4.610	0.042464	≤ 0.625	Pass	*6*7
		5357.900000	4.610	0.042464	≤ 0.625	Pass	*6*7
	3	5230.000000	5.960	0.077984	≤ 0.625	Pass	*1*2
		5230.000000	5.960	0.077984	≤ 0.625	Pass	*1*2
		5233.500000	5.960	0.079996	≤ 0.658	Pass	*3
		5248.500000	5.960	20.991755	≤ 22.568	Pass	*4
		5249.800000	5.960	51.601326	≤ 157.739	Pass	*5
		5358.100000	5.960	0.074868	≤ 0.625	Pass	*6*7
		5358.100000	5.960	0.074868	≤ 0.625	Pass	*6*7
	4	5229.300000	3.510	0.042791	≤ 0.625	Pass	*1*2
		5229.300000	3.510	0.042791	≤ 0.625	Pass	*1*2
		5233.400000	3.510	0.053965	≤ 0.64	Pass	*3
		5248.500000	3.510	10.643585	≤ 22.568	Pass	*4
		5249.600000	3.510	25.491149	≤ 99.527	Pass	*5
		5354.900000	3.510	0.032693	≤ 0.625	Pass	*6*7
		5354.900000	3.510	0.032693	≤ 0.625	Pass	*6*7

*1*2 Measurement Range : 5135MHz ~ 5140MHz
*1*2 Measurement Range : 5140MHz ~ 5233.3MHz
*3 Measurement Range : 5233.3MHz ~ 5240MHz
*4 Measurement Range : 5240MHz ~ 5249MHz
*5 Measurement Range : 5249MHz ~ 5250MHz
*6*7 Measurement Range : 5350MHz ~ 5360MHz
*6*7 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5260	W	5230.000000	5.960	0.311937	≤ 2.5	Pass	*1*2
		5230.000000	5.960	0.311937	≤ 2.5	Pass	*1*2
		5233.500000	5.960	0.319984	≤ 2.63	Pass	*3
		5248.500000	5.960	83.967021	≤ 90.272	Pass	*4
		5249.900000	5.100	294.113757	≤ 794.328	Pass	*5
		5358.100000	5.960	0.299472	≤ 2.5	Pass	*6*7
		5358.100000	5.960	0.299472	≤ 2.5	Pass	*6*7
	C	5208.400000	4.884	1.702866	≤ 2.5	Pass	*1*2
		5208.400000	4.884	1.702866	≤ 2.5	Pass	*1*2
		5233.800000	4.884	1.450130	≤ 2.857	Pass	*3
		5248.500000	4.884	1.491509	≤ 90.272	Pass	*4
		5249.600000	4.884	151.305738	≤ 398.107	Pass	*5
		5363.000000	4.884	1.895289	≤ 2.5	Pass	*6*7
		5363.000000	4.884	1.895289	≤ 2.5	Pass	*6*7

*1*2 Measurement Range : 5135MHz ~ 5140MHz

*1*2 Measurement Range : 5140MHz ~ 5233.3MHz

*3 Measurement Range : 5233.3MHz ~ 5240MHz

*4 Measurement Range : 5240MHz ~ 5249MHz

*5 Measurement Range : 5249MHz ~ 5250MHz

*6*7 Measurement Range : 5350MHz ~ 5360MHz

*6*7 Measurement Range : 5360MHz ~ 5365MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5320	1	5213.700000	5.100	0.043038	≤ 0.625	Pass	*1,*2
		5213.700000	5.100	0.043038	≤ 0.625	Pass	*1,*2
		5233.400000	5.100	0.037116	≤ 0.64	Pass	*3
		5240.700000	5.100	0.043264	≤ 4.573	Pass	*4
		5249.500000	5.100	0.042067	≤ 79.057	Pass	*5
		5350.700000	5.100	0.084976	≤ 0.625	Pass	*6,*7
		5350.700000	5.100	0.084976	≤ 0.625	Pass	*6,*7
	2	5195.100000	4.610	0.112216	≤ 0.625	Pass	*1,*2
		5195.100000	4.610	0.112216	≤ 0.625	Pass	*1,*2
		5233.700000	4.610	0.027779	≤ 0.695	Pass	*3
		5246.300000	4.610	0.149506	≤ 14.386	Pass	*4
		5249.300000	4.610	0.029716	≤ 49.882	Pass	*5
		5350.700000	4.610	0.048043	≤ 0.625	Pass	*6,*7
		5350.700000	4.610	0.048043	≤ 0.625	Pass	*6,*7
	3	5225.800000	5.960	0.050727	≤ 0.625	Pass	*1,*2
		5225.800000	5.960	0.050727	≤ 0.625	Pass	*1,*2
		5233.700000	5.960	0.052818	≤ 0.695	Pass	*3
		5240.100000	5.960	0.053449	≤ 4.044	Pass	*4
		5249.400000	5.960	0.052305	≤ 62.797	Pass	*5
		5352.700000	5.960	0.091277	≤ 0.625	Pass	*6,*7
		5352.700000	5.960	0.091277	≤ 0.625	Pass	*6,*7
	4	5198.700000	3.510	0.043576	≤ 0.625	Pass	*1,*2
		5198.700000	3.510	0.043576	≤ 0.625	Pass	*1,*2
		5233.800000	3.510	0.040008	≤ 0.714	Pass	*3
		5242.700000	3.510	0.069740	≤ 6.886	Pass	*4
		5249.100000	3.510	0.044721	≤ 31.473	Pass	*5
		5354.400000	3.510	0.077257	≤ 0.625	Pass	*6,*7
		5354.400000	3.510	0.077257	≤ 0.625	Pass	*6,*7

*1,*2 Measurement Range : 5135MHz ~ 5140MHz

*1,*2 Measurement Range : 5140MHz ~ 5233.3MHz

*3 Measurement Range : 5233.3MHz ~ 5240MHz

*4 Measurement Range : 5240MHz ~ 5249MHz

*5 Measurement Range : 5249MHz ~ 5250MHz

*6,*7 Measurement Range : 5350MHz ~ 5360MHz

*6,*7 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5320	W	5195.100000	4.610	0.448865	≤ 2.5	Pass	*1,*2
		5195.100000	4.610	0.448865	≤ 2.5	Pass	*1,*2
		5233.700000	5.960	0.211271	≤ 2.779	Pass	*3
		5246.300000	4.610	0.598024	≤ 57.543	Pass	*4
		5249.400000	5.960	0.209220	≤ 251.188	Pass	*5
		5352.700000	5.960	0.365110	≤ 2.5	Pass	*6,*7
	C	5352.700000	5.960	0.365110	≤ 2.5	Pass	*6,*7
		5232.400000	4.884	1.761886	≤ 2.5	Pass	*1,*2
		5232.400000	4.884	1.761886	≤ 2.5	Pass	*1,*2
		5233.400000	4.884	1.716998	≤ 2.558	Pass	*3
		5240.700000	4.884	1.529409	≤ 18.29	Pass	*4
		5249.500000	4.884	1.338002	≤ 316.227	Pass	*5
		5355.900000	4.884	1.967333	≤ 2.5	Pass	*6,*7
		5355.900000	4.884	1.967333	≤ 2.5	Pass	*6,*7

*1,*2 Measurement Range : 5135MHz ~ 5140MHz

*1,*2 Measurement Range : 5140MHz ~ 5233.3MHz

*3 Measurement Range : 5233.3MHz ~ 5240MHz

*4 Measurement Range : 5240MHz ~ 5249MHz

*5 Measurement Range : 5249MHz ~ 5250MHz

*6,*7 Measurement Range : 5350MHz ~ 5360MHz

*6,*7 Measurement Range : 5360MHz ~ 5365MHz

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5500	1	5455.300000	5.100	0.042002	≤ 2.5	Pass	*1
		5469.700000	5.100	0.047342	≤ 12.5	Pass	*2
		5735.200000	5.100	0.046080	≤ 12.5	Pass	*3
		5740.500000	5.100	0.048571	≤ 2.5	Pass	*4
		5458.600000	4.610	0.087934	≤ 2.5	Pass	*1
	2	5470.000000	4.610	0.123663	≤ 12.5	Pass	*2
		5736.300000	4.610	0.079118	≤ 12.5	Pass	*3
		5743.700000	4.610	0.092299	≤ 2.5	Pass	*4
		5459.500000	5.960	0.106937	≤ 2.5	Pass	*1
	3	5467.800000	5.960	0.105044	≤ 12.5	Pass	*2
		5725.800000	5.960	0.104768	≤ 12.5	Pass	*3
		5741.500000	5.960	0.093486	≤ 2.5	Pass	*4
		5456.500000	3.510	0.037495	≤ 2.5	Pass	*1
	4	5469.900000	3.510	0.062043	≤ 12.5	Pass	*2
		5733.900000	3.510	0.035498	≤ 12.5	Pass	*3
		5742.800000	3.510	0.045596	≤ 2.5	Pass	*4
		5459.500000	5.960	0.427749	≤ 2.5	Pass	*1
	W	5470.000000	4.610	0.494653	≤ 12.5	Pass	*2
		5725.800000	5.960	0.419071	≤ 12.5	Pass	*3
		5741.500000	5.960	0.373946	≤ 2.5	Pass	*4
		5458.800000	4.884	1.846614	≤ 2.5	Pass	*1
	C	5469.700000	4.884	1.698556	≤ 12.5	Pass	*2
		5725.600000	4.884	1.648834	≤ 12.5	Pass	*3
		5744.300000	4.884	1.648465	≤ 2.5	Pass	*4

*1 Measurement Range : 5455MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5740MHz

*4 Measurement Range : 5740MHz ~ 5745MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4

S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4

S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5600	1	5455.500000	5.100	0.058570	≤ 2.5	Pass	*1
		5462.800000	5.100	0.057211	≤ 12.5	Pass	*2
		5727.900000	5.100	0.089797	≤ 12.5	Pass	*3
		5740.200000	5.100	0.080640	≤ 2.5	Pass	*4
	2	5459.000000	4.610	0.061774	≤ 2.5	Pass	*1
		5465.300000	4.610	0.067208	≤ 12.5	Pass	*2
		5734.600000	4.610	0.102532	≤ 12.5	Pass	*3
		5744.000000	4.610	0.119790	≤ 2.5	Pass	*4
	3	5458.800000	5.960	0.084453	≤ 2.5	Pass	*1
		5466.600000	5.960	0.081692	≤ 12.5	Pass	*2
		5733.100000	5.960	0.111592	≤ 12.5	Pass	*3
		5740.500000	5.960	0.113446	≤ 2.5	Pass	*4
	4	5459.300000	3.510	0.039021	≤ 2.5	Pass	*1
		5469.800000	3.510	0.041310	≤ 12.5	Pass	*2
		5730.000000	3.510	0.054594	≤ 12.5	Pass	*3
		5742.200000	3.510	0.058722	≤ 2.5	Pass	*4
	W	5458.800000	5.960	0.337813	≤ 2.5	Pass	*1
		5466.600000	5.960	0.326768	≤ 12.5	Pass	*2
		5733.100000	5.960	0.446368	≤ 12.5	Pass	*3
		5744.000000	4.610	0.479159	≤ 2.5	Pass	*4
	C	5458.700000	4.884	1.179445	≤ 2.5	Pass	*1
		5462.400000	4.884	0.997890	≤ 12.5	Pass	*2
		5727.800000	4.884	1.377441	≤ 12.5	Pass	*3
		5744.600000	4.884	1.163528	≤ 2.5	Pass	*4

*1 Measurement Range : 5455MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5740MHz

*4 Measurement Range : 5740MHz ~ 5745MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5700	1	5456.900000	5.100	0.067437	≤ 2.5	Pass	*1
		5464.900000	5.100	0.062356	≤ 12.5	Pass	*2
		5725.600000	5.100	0.134809	≤ 12.5	Pass	*3
		5741.900000	5.100	0.130376	≤ 2.5	Pass	*4
	2	5459.200000	4.610	0.046627	≤ 2.5	Pass	*1
		5468.100000	4.610	0.043245	≤ 12.5	Pass	*2
		5727.400000	4.610	0.107562	≤ 12.5	Pass	*3
		5742.100000	4.610	0.084697	≤ 2.5	Pass	*4
	3	5455.900000	5.960	0.072343	≤ 2.5	Pass	*1
		5461.700000	5.960	0.075933	≤ 12.5	Pass	*2
		5727.500000	5.960	0.152576	≤ 12.5	Pass	*3
		5743.100000	5.960	0.122085	≤ 2.5	Pass	*4
	4	5456.600000	3.510	0.035857	≤ 2.5	Pass	*1
		5461.000000	3.510	0.036261	≤ 12.5	Pass	*2
		5725.500000	3.510	0.082508	≤ 12.5	Pass	*3
		5741.000000	3.510	0.054392	≤ 2.5	Pass	*4
	W	5455.900000	5.960	0.289374	≤ 2.5	Pass	*1
		5461.700000	5.960	0.303732	≤ 12.5	Pass	*2
		5727.500000	5.960	0.610304	≤ 12.5	Pass	*3
		5741.900000	5.100	0.521504	≤ 2.5	Pass	*4
	C	5458.900000	4.884	1.599481	≤ 2.5	Pass	*1
		5462.100000	4.884	1.761886	≤ 12.5	Pass	*2
		5738.300000	4.884	1.897044	≤ 12.5	Pass	*3
		5741.100000	4.884	1.934082	≤ 2.5	Pass	*4

*1 Measurement Range : 5455MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5740MHz

*4 Measurement Range : 5740MHz ~ 5745MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5180	1	5136.000000	5.100	0.061030	≤ 0.625	Pass	*1,*2
		5136.000000	5.100	0.061030	≤ 0.625	Pass	*1,*2
		5149.700000	5.100	0.062195	≤ 3.75	Pass	*3
		5250.800000	5.100	0.045756	≤ 39.622	Pass	*4
		5259.800000	5.100	0.040126	≤ 4.128	Pass	*5
		5266.400000	5.100	0.043912	≤ 0.676	Pass	*6
		5355.700000	5.100	0.055593	≤ 0.625	Pass	*7,*8
		5355.700000	5.100	0.055593	≤ 0.625	Pass	*7,*8
	2	5140.200000	4.610	0.042435	≤ 0.625	Pass	*1,*2
		5140.200000	4.610	0.042435	≤ 0.625	Pass	*1,*2
		5142.600000	4.610	0.046858	≤ 3.75	Pass	*3
		5251.000000	4.610	0.031364	≤ 25.0	Pass	*4
		5259.500000	4.610	0.033937	≤ 4.389	Pass	*5
		5266.200000	4.610	0.040325	≤ 0.714	Pass	*6
		5362.800000	4.610	0.041626	≤ 0.625	Pass	*7,*8
		5362.800000	4.610	0.041626	≤ 0.625	Pass	*7,*8
	3	5137.800000	5.960	0.060549	≤ 0.625	Pass	*1,*2
		5137.800000	5.960	0.060549	≤ 0.625	Pass	*1,*2
		5147.800000	5.960	0.070016	≤ 3.75	Pass	*3
		5250.500000	5.960	0.051989	≤ 79.057	Pass	*4
		5259.100000	5.960	0.062995	≤ 4.764	Pass	*5
		5266.400000	5.960	0.062916	≤ 0.676	Pass	*6
		5316.200000	5.960	0.063034	≤ 0.625	Pass	*7,*8
		5316.200000	5.960	0.063034	≤ 0.625	Pass	*7,*8
	4	5137.200000	3.510	0.035857	≤ 0.625	Pass	*1,*2
		5137.200000	3.510	0.035857	≤ 0.625	Pass	*1,*2
		5144.400000	3.510	0.037607	≤ 3.75	Pass	*3
		5250.600000	3.510	0.030158	≤ 62.797	Pass	*4
		5259.600000	3.510	0.031123	≤ 4.3	Pass	*5
		5266.400000	3.510	0.032424	≤ 0.676	Pass	*6
		5310.100000	3.510	0.039245	≤ 0.625	Pass	*7,*8
		5310.100000	3.510	0.039245	≤ 0.625	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
 *1,*2 Measurement Range : 5140MHz ~ 5142MHz
 *3 Measurement Range : 5142MHz ~ 5150MHz
 *4 Measurement Range : 5250MHz ~ 5251MHz
 *5 Measurement Range : 5251MHz ~ 5260MHz
 *6 Measurement Range : 5260MHz ~ 5266.7MHz
 *7,*8 Measurement Range : 5266.7MHz ~ 5360MHz
 *7,*8 Measurement Range : 5360MHz ~ 5365MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5180	W	5136.000000	5.100	0.244119	≤ 2.5	Pass	*1,*2
		5136.000000	5.100	0.244119	≤ 2.5	Pass	*1,*2
		5147.800000	5.960	0.280065	≤ 15.0	Pass	*3
		5250.500000	5.960	0.207958	≤ 316.227	Pass	*4
		5259.100000	5.960	0.251979	≤ 19.054	Pass	*5
		5266.400000	5.960	0.251664	≤ 2.703	Pass	*6
		5316.200000	5.960	0.252137	≤ 2.5	Pass	*7,*8
		5316.200000	5.960	0.252137	≤ 2.5	Pass	*7,*8
	C	5135.500000	4.884	1.607979	≤ 2.5	Pass	*1,*2
		5135.500000	4.884	1.607979	≤ 2.5	Pass	*1,*2
		5146.700000	4.884	1.868443	≤ 15.0	Pass	*3
		5250.700000	4.884	1.475068	≤ 199.526	Pass	*4
		5259.500000	4.884	1.738211	≤ 17.556	Pass	*5
		5266.200000	4.884	1.906004	≤ 2.857	Pass	*6
		5323.900000	4.884	1.866719	≤ 2.5	Pass	*7,*8
		5323.900000	4.884	1.866719	≤ 2.5	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
 *1,*2 Measurement Range : 5140MHz ~ 5142MHz
 *3 Measurement Range : 5142MHz ~ 5150MHz
 *4 Measurement Range : 5250MHz ~ 5251MHz
 *5 Measurement Range : 5251MHz ~ 5260MHz
 *6 Measurement Range : 5260MHz ~ 5266.7MHz
 *7,*8 Measurement Range : 5266.7MHz ~ 5360MHz
 *7,*8 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:*4,*5の測定結果は掃引周波数幅が詳細測定時の結果

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5240	1	5136.000000	5.100	0.055043	≤ 0.625	Pass	*1,*2
		5136.000000	5.100	0.055043	≤ 0.625	Pass	*1,*2
		5145.800000	5.100	0.042488	≤ 3.75	Pass	*3
		5250.600000	5.100	1.423967	≤ 62.797	Pass	*4
		5251.500000	5.100	0.322626	≤ 22.568	Pass	*5
		5266.300000	5.100	0.061353	≤ 0.695	Pass	*6
		5328.000000	5.100	0.062130	≤ 0.625	Pass	*7,*8
		5328.000000	5.100	0.062130	≤ 0.625	Pass	*7,*8
	2	5140.800000	4.610	0.035151	≤ 0.625	Pass	*1,*2
		5140.800000	4.610	0.035151	≤ 0.625	Pass	*1,*2
		5148.400000	4.610	0.042493	≤ 3.75	Pass	*3
		5250.600000	4.610	1.342147	≤ 62.797	Pass	*4
		5251.500000	4.610	0.307751	≤ 22.568	Pass	*5
		5266.700000	4.610	0.071804	≤ 0.622	Pass	*6
		5271.000000	4.610	0.062728	≤ 0.625	Pass	*7,*8
		5271.000000	4.610	0.062728	≤ 0.625	Pass	*7,*8
	3	5138.400000	5.960	0.066190	≤ 0.625	Pass	*1,*2
		5138.400000	5.960	0.066190	≤ 0.625	Pass	*1,*2
		5145.300000	5.960	0.067294	≤ 3.75	Pass	*3
		5250.600000	5.960	1.660734	≤ 62.797	Pass	*4
		5251.500000	5.960	0.386189	≤ 22.568	Pass	*5
		5266.300000	5.960	0.104531	≤ 0.695	Pass	*6
		5282.900000	5.960	0.082718	≤ 0.625	Pass	*7,*8
		5282.900000	5.960	0.082718	≤ 0.625	Pass	*7,*8
	4	5141.700000	3.510	0.031325	≤ 0.625	Pass	*1,*2
		5141.700000	3.510	0.031325	≤ 0.625	Pass	*1,*2
		5149.400000	3.510	0.039044	≤ 3.75	Pass	*3
		5250.600000	3.510	1.030623	≤ 62.797	Pass	*4
		5251.500000	3.510	0.239939	≤ 22.568	Pass	*5
		5265.900000	3.510	0.081408	≤ 0.776	Pass	*6
		5267.500000	3.510	0.050241	≤ 0.625	Pass	*7,*8
		5267.500000	3.510	0.050241	≤ 0.625	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz

*1,*2 Measurement Range : 5140MHz ~ 5142MHz

*3 Measurement Range : 5142MHz ~ 5150MHz

*4 Measurement Range : 5250MHz ~ 5251MHz

*5 Measurement Range : 5251MHz ~ 5260MHz

*6 Measurement Range : 5260MHz ~ 5266.7MHz

*7,*8 Measurement Range : 5266.7MHz ~ 5360MHz

*7,*8 Measurement Range : 5360MHz ~ 5365MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5240	W	5138.400000	5.960	0.264760	≤ 2.5	Pass	*1,*2
		5138.400000	5.960	0.264760	≤ 2.5	Pass	*1,*2
		5145.300000	5.960	0.269178	≤ 15.0	Pass	*3
		5250.600000	5.960	6.642935	≤ 251.188	Pass	*4
		5251.500000	5.960	1.544756	≤ 90.272	Pass	*5
		5266.300000	5.960	0.418125	≤ 2.779	Pass	*6
		5282.900000	5.960	0.330871	≤ 2.5	Pass	*7,*8
		5282.900000	5.960	0.330871	≤ 2.5	Pass	*7,*8
	C	5141.000000	4.884	1.436738	≤ 2.5	Pass	*1,*2
		5141.000000	4.884	1.436738	≤ 2.5	Pass	*1,*2
		5144.600000	4.884	1.454040	≤ 15.0	Pass	*3
		5250.600000	4.884	75.968412	≤ 251.188	Pass	*4
		5251.500000	4.884	66.832723	≤ 90.272	Pass	*5
		5266.400000	4.884	1.709086	≤ 2.703	Pass	*6
		5327.300000	4.884	2.086789	≤ 2.5	Pass	*7,*8
		5327.300000	4.884	2.086789	≤ 2.5	Pass	*7,*8

*1,*2 Measurement Range : 5135MHz ~ 5140MHz

*1,*2 Measurement Range : 5140MHz ~ 5142MHz

*3 Measurement Range : 5142MHz ~ 5150MHz

*4 Measurement Range : 5250MHz ~ 5251MHz

*5 Measurement Range : 5251MHz ~ 5260MHz

*6 Measurement Range : 5260MHz ~ 5266.7MHz

*7,*8 Measurement Range : 5266.7MHz ~ 5360MHz

*7,*8 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4

S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4

S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意: *4,*5の測定結果は掃引周波数幅が詳細測定時の結果

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5260	1	5214.900000	5.100	0.157299	≤ 0.625	Pass	*1,*2
		5214.900000	5.100	0.157299	≤ 0.625	Pass	*1,*2
		5234.900000	5.100	0.097499	≤ 0.968	Pass	*3
		5248.500000	5.100	0.355877	≤ 22.568	Pass	*4
		5249.300000	5.100	1.181136	≤ 49.882	Pass	*5
		5350.200000	5.100	0.065463	≤ 0.625	Pass	*6,*7
		5350.200000	5.100	0.065463	≤ 0.625	Pass	*6,*7
	2	5228.900000	4.610	0.047812	≤ 0.625	Pass	*1,*2
		5228.900000	4.610	0.047812	≤ 0.625	Pass	*1,*2
		5233.700000	4.610	0.068538	≤ 0.695	Pass	*3
		5248.500000	4.610	0.366185	≤ 22.568	Pass	*4
		5249.400000	4.610	1.437474	≤ 62.797	Pass	*5
		5359.300000	4.610	0.050529	≤ 0.625	Pass	*6,*7
		5359.300000	4.610	0.050529	≤ 0.625	Pass	*6,*7
	3	5177.000000	5.960	0.218529	≤ 0.625	Pass	*1,*2
		5177.000000	5.960	0.218529	≤ 0.625	Pass	*1,*2
		5237.200000	5.960	0.180898	≤ 1.828	Pass	*3
		5248.500000	5.960	0.453733	≤ 22.568	Pass	*4
		5249.600000	5.960	2.329700	≤ 99.527	Pass	*5
		5357.500000	5.960	0.062995	≤ 0.625	Pass	*6,*7
		5357.500000	5.960	0.062995	≤ 0.625	Pass	*6,*7
	4	5212.800000	3.510	0.069740	≤ 0.625	Pass	*1,*2
		5212.800000	3.510	0.069740	≤ 0.625	Pass	*1,*2
		5234.500000	3.510	0.067272	≤ 0.867	Pass	*3
		5248.500000	3.510	0.270583	≤ 22.568	Pass	*4
		5249.400000	3.510	1.115835	≤ 62.797	Pass	*5
		5364.500000	3.510	0.041691	≤ 0.625	Pass	*6,*7
		5364.500000	3.510	0.041691	≤ 0.625	Pass	*6,*7

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
*1,*2 Measurement Range : 5140MHz ~ 5233.3MHz
*3 Measurement Range : 5233.3MHz ~ 5240MHz
*4 Measurement Range : 5240MHz ~ 5249MHz
*5 Measurement Range : 5249MHz ~ 5250MHz
*6,*7 Measurement Range : 5350MHz ~ 5360MHz
*6,*7 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意: *4,*5の測定結果は掃引周波数幅が詳細測定時の結果

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5260	W	5177.000000	5.960	0.874117	≤ 2.5	Pass	*1,*2
		5177.000000	5.960	0.874117	≤ 2.5	Pass	*1,*2
		5237.200000	5.960	0.723592	≤ 7.311	Pass	*3
		5248.500000	5.960	1.814930	≤ 90.272	Pass	*4
		5249.600000	5.960	9.318800	≤ 398.107	Pass	*5
		5350.200000	5.100	0.261852	≤ 2.5	Pass	*6,*7
		5350.200000	5.100	0.261852	≤ 2.5	Pass	*6,*7
	C	5219.300000	4.884	1.578977	≤ 2.5	Pass	*1,*2
		5219.300000	4.884	1.578977	≤ 2.5	Pass	*1,*2
		5234.400000	4.884	2.356058	≤ 3.372	Pass	*3
		5248.500000	4.884	0.480592	≤ 90.272	Pass	*4
		5249.600000	4.884	2.661196	≤ 398.107	Pass	*5
		5356.800000	4.884	1.919889	≤ 2.5	Pass	*6,*7
		5356.800000	4.884	1.919889	≤ 2.5	Pass	*6,*7

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
*1,*2 Measurement Range : 5140MHz ~ 5233.3MHz
*3 Measurement Range : 5233.3MHz ~ 5240MHz
*4 Measurement Range : 5240MHz ~ 5249MHz
*5 Measurement Range : 5249MHz ~ 5250MHz
*6,*7 Measurement Range : 5350MHz ~ 5360MHz
*6,*7 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5320	1	5232.800000	5.100	0.044753	≤ 0.625	Pass	*1,*2
		5232.800000	5.100	0.044753	≤ 0.625	Pass	*1,*2
		5233.500000	5.100	0.031971	≤ 0.658	Pass	*3
		5241.500000	5.100	0.039705	≤ 5.386	Pass	*4
		5249.500000	5.100	0.031227	≤ 79.057	Pass	*5
		5357.700000	5.100	0.049445	≤ 0.625	Pass	*6,*7
		5357.700000	5.100	0.049445	≤ 0.625	Pass	*6,*7
	2	5165.600000	4.610	0.037376	≤ 0.625	Pass	*1,*2
		5165.600000	4.610	0.037376	≤ 0.625	Pass	*1,*2
		5233.400000	4.610	0.027230	≤ 0.64	Pass	*3
		5242.900000	4.610	0.107071	≤ 7.173	Pass	*4
		5249.400000	4.610	0.038937	≤ 62.797	Pass	*5
		5350.800000	4.610	0.051917	≤ 0.625	Pass	*6,*7
		5350.800000	4.610	0.051917	≤ 0.625	Pass	*6,*7
	3	5177.000000	5.960	0.052108	≤ 0.625	Pass	*1,*2
		5177.000000	5.960	0.052108	≤ 0.625	Pass	*1,*2
		5233.600000	5.960	0.039529	≤ 0.676	Pass	*3
		5240.100000	5.960	0.044495	≤ 4.044	Pass	*4
		5249.100000	5.960	0.050254	≤ 31.473	Pass	*5
		5354.500000	5.960	0.067097	≤ 0.625	Pass	*6,*7
		5354.500000	5.960	0.067097	≤ 0.625	Pass	*6,*7
	4	5225.000000	3.510	0.049859	≤ 0.625	Pass	*1,*2
		5225.000000	3.510	0.049859	≤ 0.625	Pass	*1,*2
		5233.700000	3.510	0.030988	≤ 0.695	Pass	*3
		5240.200000	3.510	0.031863	≤ 4.128	Pass	*4
		5249.500000	3.510	0.030674	≤ 79.057	Pass	*5
		5350.500000	3.510	0.067990	≤ 0.625	Pass	*6,*7
		5350.500000	3.510	0.067990	≤ 0.625	Pass	*6,*7

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
*1,*2 Measurement Range : 5140MHz ~ 5233.3MHz
*3 Measurement Range : 5233.3MHz ~ 5240MHz
*4 Measurement Range : 5240MHz ~ 5249MHz
*5 Measurement Range : 5249MHz ~ 5250MHz
*6,*7 Measurement Range : 5350MHz ~ 5360MHz
*6,*7 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5320	W	5177.000000	5.960	0.208431	≤ 2.5	Pass	*1,*2
		5177.000000	5.960	0.208431	≤ 2.5	Pass	*1,*2
		5233.600000	5.960	0.158114	≤ 2.703	Pass	*3
		5242.900000	4.610	0.428283	≤ 28.693	Pass	*4
		5249.100000	5.960	0.201015	≤ 125.892	Pass	*5
		5350.500000	3.510	0.271958	≤ 2.5	Pass	*6,*7
		5350.500000	3.510	0.271958	≤ 2.5	Pass	*6,*7
	C	5229.500000	4.884	1.731715	≤ 2.5	Pass	*1,*2
		5229.500000	4.884	1.731715	≤ 2.5	Pass	*1,*2
		5233.800000	4.884	1.604561	≤ 2.857	Pass	*3
		5240.500000	4.884	1.861392	≤ 17.556	Pass	*4
		5249.500000	4.884	1.584857	≤ 316.227	Pass	*5
		5355.700000	4.884	2.007603	≤ 2.5	Pass	*6,*7
		5355.700000	4.884	2.007603	≤ 2.5	Pass	*6,*7

*1,*2 Measurement Range : 5135MHz ~ 5140MHz
*1,*2 Measurement Range : 5140MHz ~ 5233.3MHz
*3 Measurement Range : 5233.3MHz ~ 5240MHz
*4 Measurement Range : 5240MHz ~ 5249MHz
*5 Measurement Range : 5249MHz ~ 5250MHz
*6,*7 Measurement Range : 5350MHz ~ 5360MHz
*6,*7 Measurement Range : 5360MHz ~ 5365MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5500	1	5457.000000	5.100	0.047536	≤ 0.625	Pass	*1
		5469.100000	5.100	0.053231	≤ 3.125	Pass	*2
		5732.100000	5.100	0.045756	≤ 3.125	Pass	*3
		5744.400000	5.100	0.049866	≤ 0.625	Pass	*4
	2	5459.200000	4.610	0.041019	≤ 0.625	Pass	*1
		5469.300000	4.610	0.051281	≤ 3.125	Pass	*2
		5738.200000	4.610	0.045644	≤ 3.125	Pass	*3
		5743.600000	4.610	0.055039	≤ 0.625	Pass	*4
	3	5455.900000	5.960	0.091356	≤ 0.625	Pass	*1
		5465.600000	5.960	0.087570	≤ 3.125	Pass	*2
		5733.900000	5.960	0.074829	≤ 3.125	Pass	*3
		5742.300000	5.960	0.083270	≤ 0.625	Pass	*4
	4	5459.600000	3.510	0.048199	≤ 0.625	Pass	*1
		5467.200000	3.510	0.065791	≤ 3.125	Pass	*2
		5730.700000	3.510	0.042768	≤ 3.125	Pass	*3
		5743.900000	3.510	0.042566	≤ 0.625	Pass	*4
	W	5455.900000	5.960	0.365425	≤ 2.5	Pass	*1
		5465.600000	5.960	0.350278	≤ 12.5	Pass	*2
		5733.900000	5.960	0.299314	≤ 12.5	Pass	*3
		5742.300000	5.960	0.333080	≤ 2.5	Pass	*4
	C	5457.500000	4.884	1.715058	≤ 2.5	Pass	*1
		5468.600000	4.884	1.950184	≤ 12.5	Pass	*2
		5726.800000	4.884	1.879649	≤ 12.5	Pass	*3
		5741.700000	4.884	1.845752	≤ 2.5	Pass	*4

*1 Measurement Range : 5455MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5740MHz

*4 Measurement Range : 5740MHz ~ 5745MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5600	1	5459.500000	5.100	0.037796	≤ 0.625	Pass	*1
		5461.900000	5.100	0.040579	≤ 3.125	Pass	*2
		5729.800000	5.100	0.046695	≤ 3.125	Pass	*3
		5742.600000	5.100	0.048054	≤ 0.625	Pass	*4
	2	5459.900000	4.610	0.030670	≤ 0.625	Pass	*1
		5462.900000	4.610	0.033214	≤ 3.125	Pass	*2
		5726.500000	4.610	0.057004	≤ 3.125	Pass	*3
		5744.500000	4.610	0.059057	≤ 0.625	Pass	*4
	3	5457.800000	5.960	0.057157	≤ 0.625	Pass	*1
		5461.500000	5.960	0.055934	≤ 3.125	Pass	*2
		5736.400000	5.960	0.083941	≤ 3.125	Pass	*3
		5741.400000	5.960	0.091199	≤ 0.625	Pass	*4
	4	5458.000000	3.510	0.028250	≤ 0.625	Pass	*1
		5466.500000	3.510	0.033815	≤ 3.125	Pass	*2
		5735.300000	3.510	0.048333	≤ 3.125	Pass	*3
		5740.700000	3.510	0.044362	≤ 0.625	Pass	*4
	W	5457.800000	5.960	0.228627	≤ 2.5	Pass	*1
		5461.500000	5.960	0.223736	≤ 12.5	Pass	*2
		5736.400000	5.960	0.335762	≤ 12.5	Pass	*3
		5741.400000	5.960	0.364794	≤ 2.5	Pass	*4
	C	5456.900000	4.884	1.126367	≤ 2.5	Pass	*1
		5468.700000	4.884	0.986899	≤ 12.5	Pass	*2
		5737.300000	4.884	1.198872	≤ 12.5	Pass	*3
		5742.900000	4.884	1.391788	≤ 2.5	Pass	*4

*1 Measurement Range : 5455MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5740MHz

*4 Measurement Range : 5740MHz ~ 5745MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5700	1	5459.200000	5.100	0.038378	≤ 0.625	Pass	*1
		5461.300000	5.100	0.039220	≤ 3.125	Pass	*2
		5725.700000	5.100	0.058085	≤ 3.125	Pass	*3
		5742.000000	5.100	0.052422	≤ 0.625	Pass	*4
	2	5459.200000	4.610	0.030641	≤ 0.625	Pass	*1
		5469.500000	4.610	0.031884	≤ 3.125	Pass	*2
		5725.500000	4.610	0.083627	≤ 3.125	Pass	*3
		5740.900000	4.610	0.050905	≤ 0.625	Pass	*4
	3	5455.500000	5.960	0.061851	≤ 0.625	Pass	*1
		5463.300000	5.960	0.050767	≤ 3.125	Pass	*2
		5725.500000	5.960	0.127370	≤ 3.125	Pass	*3
		5741.600000	5.960	0.114669	≤ 0.625	Pass	*4
	4	5458.900000	3.510	0.027326	≤ 0.625	Pass	*1
		5463.900000	3.510	0.027353	≤ 3.125	Pass	*2
		5725.500000	3.510	0.133219	≤ 3.125	Pass	*3
		5743.200000	3.510	0.070301	≤ 0.625	Pass	*4
	W	5455.500000	5.960	0.247404	≤ 2.5	Pass	*1
		5463.300000	5.960	0.203067	≤ 12.5	Pass	*2
		5725.500000	3.510	0.532877	≤ 12.5	Pass	*3
		5741.600000	5.960	0.458675	≤ 2.5	Pass	*4
	C	5458.900000	4.884	1.646925	≤ 2.5	Pass	*1
		5461.600000	4.884	1.733316	≤ 12.5	Pass	*2
		5736.200000	4.884	2.006217	≤ 12.5	Pass	*3
		5740.400000	4.884	1.758223	≤ 2.5	Pass	*4

*1 Measurement Range : 5455MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5740MHz

*4 Measurement Range : 5740MHz ~ 5745MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5190	1	5120.000000	5.100	0.062777	≤ 0.625	Pass	*1
		5149.500000	5.100	0.130538	≤ 3.75	Pass	*2
		5250.800000	5.100	0.047309	≤ 19.811	Pass	*3
		5268.600000	5.100	0.075106	≤ 2.269	Pass	*4
		5278.200000	5.100	0.044268	≤ 0.638	Pass	*5
		5374.300000	5.100	0.052099	≤ 0.625	Pass	*6
	2	5137.400000	4.610	0.044892	≤ 0.625	Pass	*1
		5149.200000	4.610	0.054374	≤ 3.75	Pass	*2
		5250.500000	4.610	0.051136	≤ 39.528	Pass	*3
		5263.700000	4.610	0.108603	≤ 3.649	Pass	*4
		5277.900000	4.610	0.045355	≤ 0.665	Pass	*5
		5297.200000	4.610	0.046540	≤ 0.625	Pass	*6
	3	5132.200000	5.960	0.070568	≤ 0.625	Pass	*1
		5145.500000	5.960	0.100310	≤ 3.75	Pass	*2
		5250.500000	5.960	0.073606	≤ 39.528	Pass	*3
		5269.400000	5.960	0.059721	≤ 2.1	Pass	*4
		5277.900000	5.960	0.060313	≤ 0.665	Pass	*5
		5324.800000	5.960	0.066072	≤ 0.625	Pass	*6
	4	5139.900000	3.510	0.040951	≤ 0.625	Pass	*1
		5149.700000	3.510	0.102725	≤ 3.75	Pass	*2
		5250.700000	3.510	0.049276	≤ 24.941	Pass	*3
		5269.300000	3.510	0.032828	≤ 2.12	Pass	*4
		5278.100000	3.510	0.039201	≤ 0.647	Pass	*5
		5295.200000	3.510	0.036530	≤ 0.625	Pass	*6
	W	5132.200000	5.960	0.282274	≤ 2.5	Pass	*1
		5149.500000	5.100	0.522151	≤ 15.0	Pass	*2
		5250.500000	5.960	0.294423	≤ 158.113	Pass	*3
		5263.700000	4.610	0.434411	≤ 14.595	Pass	*4
		5277.900000	5.960	0.241250	≤ 2.66	Pass	*5
		5324.800000	5.960	0.264286	≤ 2.5	Pass	*6
	C	5132.400000	4.884	1.623588	≤ 2.5	Pass	*1
		5150.000000	4.884	1.562352	≤ 15.0	Pass	*2
		5250.700000	4.884	1.870136	≤ 99.763	Pass	*3
		5269.400000	4.884	1.601883	≤ 8.399	Pass	*4
		5278.300000	4.884	1.437138	≤ 2.517	Pass	*5
		5336.100000	4.884	1.778173	≤ 2.5	Pass	*6

*1 Measurement Range : 5100MHz ~ 5141.6MHz

*2 Measurement Range : 5141.6MHz ~ 5150MHz

*3 Measurement Range : 5250MHz ~ 5251MHz

*4 Measurement Range : 5251MHz ~ 5270MHz

*5 Measurement Range : 5270MHz ~ 5278.4MHz

*6 Measurement Range : 5278.4MHz ~ 5400MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5230	1	5136.000000	5.100	0.052034	≤ 0.625	Pass	*1
		5146.000000	5.100	0.055658	≤ 3.75	Pass	*2
		5250.500000	5.100	10.284292	≤ 39.528	Pass	*3
		5251.500000	5.100	5.229403	≤ 11.909	Pass	*4
		5278.200000	5.100	0.073391	≤ 0.638	Pass	*5
		5328.000000	5.100	0.070317	≤ 0.625	Pass	*6
	2	5139.500000	4.610	0.035064	≤ 0.625	Pass	*1
		5147.600000	4.610	0.038966	≤ 3.75	Pass	*2
		5250.600000	4.610	9.807152	≤ 31.399	Pass	*3
		5251.500000	4.610	4.752856	≤ 11.909	Pass	*4
		5276.000000	4.610	0.110106	≤ 0.865	Pass	*5
		5280.000000	4.610	0.060213	≤ 0.625	Pass	*6
	3	5101.800000	5.960	0.059247	≤ 0.625	Pass	*1
		5149.400000	5.960	0.067373	≤ 3.75	Pass	*2
		5250.600000	5.960	12.184747	≤ 31.399	Pass	*3
		5251.500000	5.960	6.475687	≤ 11.909	Pass	*4
		5277.800000	5.960	0.073882	≤ 0.674	Pass	*5
		5280.600000	5.960	0.079010	≤ 0.625	Pass	*6
	4	5120.300000	3.510	0.032088	≤ 0.625	Pass	*1
		5146.300000	3.510	0.031369	≤ 3.75	Pass	*2
		5250.600000	3.510	6.914028	≤ 31.399	Pass	*3
		5251.500000	3.510	3.413707	≤ 11.909	Pass	*4
		5276.800000	3.510	0.089217	≤ 0.774	Pass	*5
		5280.800000	3.510	0.048535	≤ 0.625	Pass	*6
	W	5101.800000	5.960	0.236990	≤ 2.5	Pass	*1
		5149.400000	5.960	0.269493	≤ 15.0	Pass	*2
		5250.600000	5.960	48.738986	≤ 125.594	Pass	*3
		5251.500000	5.960	25.902749	≤ 47.634	Pass	*4
		5276.000000	4.610	0.440424	≤ 3.459	Pass	*5
		5280.600000	5.960	0.316039	≤ 2.5	Pass	*6
	C	5135.100000	4.884	1.435414	≤ 2.5	Pass	*1
		5145.000000	4.884	1.469527	≤ 15.0	Pass	*2
		5250.400000	4.884	45.679463	≤ 199.053	Pass	*3
		5251.500000	4.884	31.017385	≤ 47.634	Pass	*4
		5277.900000	4.884	1.833406	≤ 2.66	Pass	*5
		5384.500000	4.884	2.028508	≤ 2.5	Pass	*6

- *1 Measurement Range : 5100MHz ~ 5141.6MHz
 *2 Measurement Range : 5141.6MHz ~ 5150MHz
 *3 Measurement Range : 5250MHz ~ 5251MHz
 *4 Measurement Range : 5251MHz ~ 5270MHz
 *5 Measurement Range : 5270MHz ~ 5278.4MHz
 *6 Measurement Range : 5278.4MHz ~ 5400MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5270	1	5136.000000	5.100	0.044526	≤ 0.625	Pass	*1
		5219.800000	5.100	0.075365	≤ 0.625	Pass	*2
		5222.500000	5.100	0.057470	≤ 0.703	Pass	*3
		5248.500000	5.100	5.532578	≤ 11.909	Pass	*4
		5249.500000	5.100	8.079778	≤ 39.528	Pass	*5
		5356.700000	5.100	0.065948	≤ 3.75	Pass	*6
		5359.800000	5.100	0.068408	≤ 0.625	Pass	*7
	2	5185.000000	4.610	0.043071	≤ 0.625	Pass	*1
		5212.200000	4.610	0.048766	≤ 0.625	Pass	*2
		5222.100000	4.610	0.049517	≤ 0.665	Pass	*3
		5248.500000	4.610	6.611765	≤ 11.909	Pass	*4
		5249.500000	4.610	7.029180	≤ 39.528	Pass	*5
		5356.500000	4.610	0.048419	≤ 3.75	Pass	*6
		5363.200000	4.610	0.040701	≤ 0.625	Pass	*7
	3	5156.500000	5.960	0.040471	≤ 0.625	Pass	*1
		5215.600000	5.960	0.198215	≤ 0.625	Pass	*2
		5222.300000	5.960	0.051003	≤ 0.684	Pass	*3
		5248.500000	5.960	6.754608	≤ 11.909	Pass	*4
		5249.900000	5.960	23.241188	≤ 99.291	Pass	*5
		5354.600000	5.960	0.063823	≤ 3.75	Pass	*6
		5361.300000	5.960	0.053686	≤ 0.625	Pass	*7
	4	5206.800000	3.510	0.033524	≤ 0.625	Pass	*1
		5220.300000	3.510	0.041804	≤ 0.625	Pass	*2
		5222.000000	3.510	0.045304	≤ 0.656	Pass	*3
		5248.500000	3.510	3.993392	≤ 11.909	Pass	*4
		5249.500000	3.510	5.748534	≤ 39.528	Pass	*5
		5353.800000	3.510	0.045259	≤ 3.75	Pass	*6
		5370.100000	3.510	0.037069	≤ 0.625	Pass	*7

- *1 Measurement Range : 5100MHz ~ 5210MHz
 *2 Measurement Range : 5210MHz ~ 5221.6MHz
 *3 Measurement Range : 5221.6MHz ~ 5230MHz
 *4 Measurement Range : 5230MHz ~ 5249MHz
 *5 Measurement Range : 5249MHz ~ 5250MHz
 *6 Measurement Range : 5350MHz ~ 5358.4MHz
 *7 Measurement Range : 5358.4MHz ~ 5400MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5270	W	5136.000000	5.100	0.178106	≤ 2.5	Pass	*1
		5215.600000	5.960	0.792859	≤ 2.5	Pass	*2
		5222.500000	5.100	0.229881	≤ 2.811	Pass	*3
		5248.500000	5.960	27.018432	≤ 47.634	Pass	*4
		5249.900000	5.960	92.964750	≤ 397.164	Pass	*5
		5356.700000	5.100	0.263794	≤ 15.0	Pass	*6
		5359.800000	5.100	0.273631	≤ 2.5	Pass	*7
	C	5197.800000	4.884	1.480395	≤ 2.5	Pass	*1
		5217.600000	4.884	1.666014	≤ 2.5	Pass	*2
		5222.100000	4.884	1.590368	≤ 2.66	Pass	*3
		5248.500000	4.884	16.137208	≤ 47.634	Pass	*4
		5249.500000	4.884	27.480528	≤ 158.113	Pass	*5
		5357.100000	4.884	1.939439	≤ 15.0	Pass	*6
		5379.400000	4.884	2.165082	≤ 2.5	Pass	*7

- *1 Measurement Range : 5100MHz ~ 5210MHz
 *2 Measurement Range : 5210MHz ~ 5221.6MHz
 *3 Measurement Range : 5221.6MHz ~ 5230MHz
 *4 Measurement Range : 5230MHz ~ 5249MHz
 *5 Measurement Range : 5249MHz ~ 5250MHz
 *6 Measurement Range : 5350MHz ~ 5358.4MHz
 *7 Measurement Range : 5358.4MHz ~ 5400MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5310	1	5136.000000	5.100	0.049154	≤ 0.625	Pass	*1
		5220.900000	5.100	0.052940	≤ 0.625	Pass	*2
		5223.500000	5.100	0.055108	≤ 0.807	Pass	*3
		5232.000000	5.100	0.056841	≤ 2.405	Pass	*4
		5249.500000	5.100	0.048895	≤ 39.528	Pass	*5
		5351.800000	5.100	0.126234	≤ 3.75	Pass	*6
		5370.700000	5.100	0.076595	≤ 0.625	Pass	*7
	2	5199.200000	4.610	0.031364	≤ 0.625	Pass	*1
		5211.600000	4.610	0.034601	≤ 0.625	Pass	*2
		5222.100000	4.610	0.036625	≤ 0.665	Pass	*3
		5230.500000	4.610	0.028965	≤ 2.08	Pass	*4
		5249.500000	4.610	0.035208	≤ 39.528	Pass	*5
		5351.200000	4.610	0.090392	≤ 3.75	Pass	*6
		5358.900000	4.610	0.057149	≤ 0.625	Pass	*7
	3	5103.000000	5.960	0.040747	≤ 0.625	Pass	*1
		5216.400000	5.960	0.043509	≤ 0.625	Pass	*2
		5222.100000	5.960	0.043666	≤ 0.665	Pass	*3
		5235.800000	5.960	0.182397	≤ 3.476	Pass	*4
		5249.500000	5.960	0.051240	≤ 39.528	Pass	*5
		5350.300000	5.960	0.089463	≤ 3.75	Pass	*6
		5363.900000	5.960	0.065914	≤ 0.625	Pass	*7
	4	5177.100000	3.510	0.031257	≤ 0.625	Pass	*1
		5219.200000	3.510	0.038079	≤ 0.625	Pass	*2
		5223.000000	3.510	0.037338	≤ 0.753	Pass	*3
		5232.700000	3.510	0.076247	≤ 2.574	Pass	*4
		5249.100000	3.510	0.041871	≤ 15.737	Pass	*5
		5351.600000	3.510	0.082440	≤ 3.75	Pass	*6
		5361.000000	3.510	0.056658	≤ 0.625	Pass	*7

- *1 Measurement Range : 5100MHz ~ 5210MHz
 *2 Measurement Range : 5210MHz ~ 5221.6MHz
 *3 Measurement Range : 5221.6MHz ~ 5230MHz
 *4 Measurement Range : 5230MHz ~ 5249MHz
 *5 Measurement Range : 5249MHz ~ 5250MHz
 *6 Measurement Range : 5350MHz ~ 5358.4MHz
 *7 Measurement Range : 5358.4MHz ~ 5400MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5310	W	5136.000000	5.100	0.196616	≤ 2.5	Pass	*1
		5220.900000	5.100	0.211760	≤ 2.5	Pass	*2
		5223.500000	5.100	0.220432	≤ 3.228	Pass	*3
		5235.800000	5.960	0.729588	≤ 13.905	Pass	*4
		5249.500000	5.960	0.204960	≤ 158.113	Pass	*5
		5351.800000	5.100	0.504936	≤ 15.0	Pass	*6
		5370.700000	5.100	0.306378	≤ 2.5	Pass	*7
	C	5132.900000	4.884	1.427163	≤ 2.5	Pass	*1
		5210.900000	4.884	1.661796	≤ 2.5	Pass	*2
		5221.800000	4.884	1.594833	≤ 2.552	Pass	*3
		5230.700000	4.884	1.324640	≤ 8.48	Pass	*4
		5249.500000	4.884	1.471620	≤ 158.113	Pass	*5
		5357.300000	4.884	2.690166	≤ 15.0	Pass	*6
		5383.200000	4.884	1.829281	≤ 2.5	Pass	*7

*1 Measurement Range : 5100MHz ~ 5210MHz

*2 Measurement Range : 5210MHz ~ 5221.6MHz

*3 Measurement Range : 5221.6MHz ~ 5230MHz

*4 Measurement Range : 5230MHz ~ 5249MHz

*5 Measurement Range : 5249MHz ~ 5250MHz

*6 Measurement Range : 5350MHz ~ 5358.4MHz

*7 Measurement Range : 5358.4MHz ~ 5400MHz

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5510	1	5454.500000	5.100	0.049219	≤ 3.125	Pass	*1
		5469.500000	5.100	0.068019	≤ 12.5	Pass	*2
		5730.500000	5.100	0.055205	≤ 3.125	Pass	*3
	2	5443.600000	4.610	0.070215	≤ 3.125	Pass	*1
		5460.700000	4.610	0.083252	≤ 12.5	Pass	*2
		5745.000000	4.610	0.769499	≤ 3.125	Pass	*3
	3	5457.000000	5.960	0.095340	≤ 3.125	Pass	*1
		5469.700000	5.960	0.129185	≤ 12.5	Pass	*2
		5755.500000	5.960	0.080351	≤ 3.125	Pass	*3
	4	5459.000000	3.510	0.040390	≤ 3.125	Pass	*1
		5468.000000	3.510	0.042768	≤ 12.5	Pass	*2
		5730.400000	3.510	0.040525	≤ 3.125	Pass	*3
	W	5457.000000	5.960	0.381361	≤ 12.5	Pass	*1
		5469.700000	5.960	0.516739	≤ 50.0	Pass	*2
		5745.000000	4.610	3.077996	≤ 12.5	Pass	*3
	C	5446.700000	4.884	1.647695	≤ 12.5	Pass	*1
		5466.400000	4.884	1.954679	≤ 50.0	Pass	*2
		5737.300000	4.884	1.889194	≤ 12.5	Pass	*3

*1 Measurement Range : 5420MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5760MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4

S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4

S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5590	1	5428.500000	5.100	0.029835	≤ 3.125	Pass	*1
		5463.300000	5.100	0.029576	≤ 12.5	Pass	*2
		5738.000000	5.100	0.043362	≤ 3.125	Pass	*3
	2	5455.200000	4.610	0.047783	≤ 3.125	Pass	*1
		5465.800000	4.610	0.052553	≤ 12.5	Pass	*2
		5731.400000	4.610	0.089235	≤ 3.125	Pass	*3
	3	5440.000000	5.960	0.063113	≤ 3.125	Pass	*1
		5469.800000	5.960	0.057867	≤ 12.5	Pass	*2
		5740.500000	5.960	0.084493	≤ 3.125	Pass	*3
	4	5455.700000	3.510	0.030180	≤ 3.125	Pass	*1
		5469.700000	3.510	0.027690	≤ 12.5	Pass	*2
		5726.200000	3.510	0.044294	≤ 3.125	Pass	*3
	W	5440.000000	5.960	0.252453	≤ 12.5	Pass	*1
		5469.800000	5.960	0.231468	≤ 50.0	Pass	*2
		5731.400000	4.610	0.356941	≤ 12.5	Pass	*3
	C	5443.300000	4.884	1.125320	≤ 12.5	Pass	*1
		5461.600000	4.884	1.054817	≤ 50.0	Pass	*2
		5754.700000	4.884	1.083634	≤ 12.5	Pass	*3

*1 Measurement Range : 5420MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5760MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5670	1	5449.300000	5.100	0.036178	≤ 3.125	Pass	*1
		5464.800000	5.100	0.035369	≤ 12.5	Pass	*2
		5732.200000	5.100	0.086302	≤ 3.125	Pass	*3
	2	5434.900000	4.610	0.040123	≤ 3.125	Pass	*1
		5464.900000	4.610	0.038591	≤ 12.5	Pass	*2
		5745.200000	4.610	0.125976	≤ 3.125	Pass	*3
	3	5423.700000	5.960	0.056526	≤ 3.125	Pass	*1
		5461.100000	5.960	0.057512	≤ 12.5	Pass	*2
		5741.900000	5.960	0.112499	≤ 3.125	Pass	*3
	4	5457.700000	3.510	0.025648	≤ 3.125	Pass	*1
		5468.700000	3.510	0.022977	≤ 12.5	Pass	*2
		5729.700000	3.510	0.056366	≤ 3.125	Pass	*3
	W	5423.700000	5.960	0.226103	≤ 12.5	Pass	*1
		5461.100000	5.960	0.230047	≤ 50.0	Pass	*2
		5745.200000	4.610	0.503903	≤ 12.5	Pass	*3
	C	5422.800000	4.884	1.417034	≤ 12.5	Pass	*1
		5467.200000	4.884	1.407582	≤ 50.0	Pass	*2
		5731.100000	4.884	1.830943	≤ 12.5	Pass	*3

*1 Measurement Range : 5420MHz ~ 5460MHz

*2 Measurement Range : 5460MHz ~ 5470MHz

*3 Measurement Range : 5725MHz ~ 5760MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

ご注意:*3,*4の測定結果は掃引周波数幅が詳細測定時の結果

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5210	1	5122.700000	5.100	0.217261	≤ 0.625	Pass	*1
		5144.700000	5.100	0.342362	≤ 3.75	Pass	*2
		5250.600000	5.100	0.269712	≤ 15.699	Pass	*3
		5251.500000	5.100	0.161176	≤ 6.104	Pass	*4
		5295.300000	5.100	0.150212	≤ 0.687	Pass	*5
		5306.300000	5.100	0.121445	≤ 0.625	Pass	*6
	2	5118.800000	4.610	0.096289	≤ 0.625	Pass	*1
		5141.300000	4.610	0.148350	≤ 3.75	Pass	*2
		5250.600000	4.610	0.231473	≤ 15.699	Pass	*3
		5251.500000	4.610	0.152125	≤ 6.104	Pass	*4
		5296.200000	4.610	0.129676	≤ 0.645	Pass	*5
		5299.200000	4.610	0.100046	≤ 0.625	Pass	*6
	3	5116.300000	5.960	0.134194	≤ 0.625	Pass	*1
		5137.500000	5.960	0.145397	≤ 3.75	Pass	*2
		5250.600000	5.960	0.357932	≤ 15.699	Pass	*3
		5251.500000	5.960	0.231526	≤ 6.104	Pass	*4
		5295.600000	5.960	0.146975	≤ 0.673	Pass	*5
		5300.900000	5.960	0.128238	≤ 0.625	Pass	*6
	4	5122.500000	3.510	0.122628	≤ 0.625	Pass	*1
		5149.100000	3.510	0.230828	≤ 3.75	Pass	*2
		5250.600000	3.510	0.221769	≤ 15.699	Pass	*3
		5251.500000	3.510	0.128204	≤ 6.104	Pass	*4
		5294.200000	3.510	0.100616	≤ 0.741	Pass	*5
		5311.900000	3.510	0.078379	≤ 0.625	Pass	*6
	W	5122.700000	5.100	0.869043	≤ 2.5	Pass	*1
		5144.700000	5.100	1.369448	≤ 15.0	Pass	*2
		5250.600000	5.960	1.431726	≤ 62.797	Pass	*3
		5251.500000	5.960	0.926104	≤ 24.416	Pass	*4
		5295.300000	5.100	0.600849	≤ 2.747	Pass	*5
		5300.900000	5.960	0.512952	≤ 2.5	Pass	*6
	C	5122.700000	4.884	1.917241	≤ 2.5	Pass	*1
		5144.700000	4.884	2.380011	≤ 15.0	Pass	*2
		5250.600000	4.884	0.587188	≤ 62.797	Pass	*3
		5251.500000	4.884	0.469329	≤ 24.416	Pass	*4
		5295.100000	4.884	1.488892	≤ 2.785	Pass	*5
		5355.600000	4.884	1.342066	≤ 2.5	Pass	*6

- *1 Measurement Range : 5020MHz ~ 5123.2MHz
*2 Measurement Range : 5123.2MHz ~ 5150MHz
*3 Measurement Range : 5250MHz ~ 5251MHz
*4 Measurement Range : 5251MHz ~ 5290MHz
*5 Measurement Range : 5290MHz ~ 5296.7MHz
*6 Measurement Range : 5296.7MHz ~ 5480MHz

ご注意:*3,*4の測定結果は掃引周波数幅が詳細測定時の結果

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5290	1	5198.400000	5.100	0.151280	≤ 0.625	Pass	*1
		5205.900000	5.100	0.298968	≤ 0.746	Pass	*2
		5248.500000	5.100	0.188408	≤ 6.104	Pass	*3
		5249.500000	5.100	0.331284	≤ 19.764	Pass	*4
		5350.900000	5.100	0.248488	≤ 3.75	Pass	*5
		5381.900000	5.100	0.149500	≤ 0.625	Pass	*6
	2	5201.300000	4.610	0.108429	≤ 0.625	Pass	*1
		5207.500000	4.610	0.188732	≤ 0.833	Pass	*2
		5248.500000	4.610	0.141059	≤ 6.104	Pass	*3
		5249.500000	4.610	0.284839	≤ 19.764	Pass	*4
		5353.000000	4.610	0.167457	≤ 3.75	Pass	*5
		5396.200000	4.610	0.104729	≤ 0.625	Pass	*6
	3	5202.500000	5.960	0.145318	≤ 0.625	Pass	*1
		5206.500000	5.960	0.181766	≤ 0.778	Pass	*2
		5248.500000	5.960	0.188886	≤ 6.104	Pass	*3
		5249.500000	5.960	0.343321	≤ 19.764	Pass	*4
		5367.500000	5.960	0.217504	≤ 3.75	Pass	*5
		5382.700000	5.960	0.152813	≤ 0.625	Pass	*6
	4	5195.300000	3.510	0.083472	≤ 0.625	Pass	*1
		5205.000000	3.510	0.120698	≤ 0.701	Pass	*2
		5248.500000	3.510	0.123396	≤ 6.104	Pass	*3
		5249.500000	3.510	0.204456	≤ 19.764	Pass	*4
		5362.400000	3.510	0.098035	≤ 3.75	Pass	*5
		5382.700000	3.510	0.081812	≤ 0.625	Pass	*6
	W	5198.400000	5.100	0.605120	≤ 2.5	Pass	*1
		5205.900000	5.100	1.195873	≤ 2.984	Pass	*2
		5248.500000	5.960	0.755544	≤ 24.416	Pass	*3
		5249.500000	5.960	1.373283	≤ 79.056	Pass	*4
		5350.900000	5.100	0.993950	≤ 15.0	Pass	*5
		5382.700000	5.960	0.611251	≤ 2.5	Pass	*6
	C	5202.800000	4.884	1.692306	≤ 2.5	Pass	*1
		5203.700000	4.884	1.975738	≤ 2.564	Pass	*2
		5248.500000	4.884	0.461506	≤ 24.416	Pass	*3
		5249.200000	4.884	0.398820	≤ 39.622	Pass	*4
		5354.900000	4.884	3.533256	≤ 15.0	Pass	*5
		5380.800000	4.884	1.643908	≤ 2.5	Pass	*6

- *1 Measurement Range : 5020MHz ~ 5203.3MHz
*2 Measurement Range : 5203.3MHz ~ 5210MHz
*3 Measurement Range : 5210MHz ~ 5249MHz
*4 Measurement Range : 5249MHz ~ 5250MHz
*5 Measurement Range : 5350MHz ~ 5376.8MHz
*6 Measurement Range : 5376.8MHz ~ 5480MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5530	1	5458.800000	5.100	0.108566	≤ 3.125	Pass	*1
		5467.500000	5.100	0.146458	≤ 12.5	Pass	*2
		5469.500000	5.100	0.118047	≤ 12.8	Pass	*3
		5757.300000	5.100	0.060771	≤ 3.125	Pass	*4
	2	5439.700000	4.610	0.107447	≤ 3.125	Pass	*1
		5462.500000	4.610	0.116061	≤ 12.5	Pass	*2
		5469.500000	4.610	0.109817	≤ 12.8	Pass	*3
		5792.200000	4.610	0.082009	≤ 3.125	Pass	*4
	3	5438.700000	5.960	0.364676	≤ 3.125	Pass	*1
		5462.500000	5.960	0.275371	≤ 12.5	Pass	*2
		5469.500000	5.960	0.283260	≤ 12.8	Pass	*3
		5759.500000	5.960	0.091435	≤ 3.125	Pass	*4
	4	5428.700000	3.510	0.061482	≤ 3.125	Pass	*1
		5466.300000	3.510	0.076988	≤ 12.5	Pass	*2
		5470.000000	3.510	0.075529	≤ 12.8	Pass	*3
		5729.300000	3.510	0.047054	≤ 3.125	Pass	*4
	W	5438.700000	5.960	1.458703	≤ 12.5	Pass	*1
		5462.500000	5.960	1.101483	≤ 50.0	Pass	*2
		5469.500000	5.960	1.133039	≤ 51.2	Pass	*3
		5759.500000	5.960	0.365741	≤ 12.5	Pass	*4
	C	5426.300000	4.884	1.924753	≤ 12.5	Pass	*1
		5463.700000	4.884	2.679636	≤ 50.0	Pass	*2
		5469.900000	4.884	2.099781	≤ 51.2	Pass	*3
		5725.500000	4.884	1.690336	≤ 12.5	Pass	*4

- *1 Measurement Range : 5340MHz ~ 5460MHz
 *2 Measurement Range : 5460MHz ~ 5469.5MHz
 *3 Measurement Range : 5469.5MHz ~ 5470MHz
 *4 Measurement Range : 5725MHz ~ 5800MHz

Center Freq (MHz)	TX	Measured Freq (MHz)	Ant Gain (dBi)	Result (μW/MHz)	Limit (μW/MHz)	Verdict	Note
5610	1	5350.200000	5.100	0.038896	≤ 3.125	Pass	*1
		5467.400000	5.100	0.056597	≤ 12.5	Pass	*2
		5469.800000	5.100	0.059153	≤ 12.8	Pass	*3
		5726.300000	5.100	0.115199	≤ 3.125	Pass	*4
	2	5439.200000	4.610	0.044430	≤ 3.125	Pass	*1
		5464.700000	4.610	0.052090	≤ 12.5	Pass	*2
		5470.000000	4.610	0.065040	≤ 12.8	Pass	*3
		5731.200000	4.610	0.172660	≤ 3.125	Pass	*4
	3	5346.700000	5.960	0.063074	≤ 3.125	Pass	*1
		5463.000000	5.960	0.070450	≤ 12.5	Pass	*2
		5469.600000	5.960	0.074158	≤ 12.8	Pass	*3
		5740.700000	5.960	0.199517	≤ 3.125	Pass	*4
	4	5375.900000	3.510	0.027891	≤ 3.125	Pass	*1
		5467.100000	3.510	0.033411	≤ 12.5	Pass	*2
		5470.000000	3.510	0.033456	≤ 12.8	Pass	*3
		5735.600000	3.510	0.085918	≤ 3.125	Pass	*4
	W	5346.700000	5.960	0.252295	≤ 12.5	Pass	*1
		5463.000000	5.960	0.281800	≤ 50.0	Pass	*2
		5469.600000	5.960	0.296632	≤ 51.2	Pass	*3
		5740.700000	5.960	0.798066	≤ 12.5	Pass	*4
	C	5340.500000	4.884	1.054570	≤ 12.5	Pass	*1
		5467.100000	4.884	1.078893	≤ 50.0	Pass	*2
		5469.800000	4.884	1.137297	≤ 51.2	Pass	*3
		5731.100000	4.884	1.464108	≤ 12.5	Pass	*4

- *1 Measurement Range : 5340MHz ~ 5460MHz
 *2 Measurement Range : 5460MHz ~ 5469.5MHz
 *3 Measurement Range : 5469.5MHz ~ 5470MHz
 *4 Measurement Range : 5725MHz ~ 5800MHz

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
 S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.9. Burst Length of Transmitted Signals

5.9.1. Limit

Tested Band	Limits
5GHz	≤ 4 msec

5.9.2 Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5180	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5240	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W53 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5260	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5320	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5500	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5600	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5700	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5180	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5240	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5260	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5320	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5500	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5600	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5700	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5190	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5230	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5270	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5310	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5510	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5590	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5670	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5210	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5290	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	TX	Limit (msec)	Verdict
5530	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good
5610	1	≤ 4	Good
	2	≤ 4	Good
	3	≤ 4	Good
	4	≤ 4	Good
	C	≤ 4	Good

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.10. Limit of Secondary Radiated Emissions

5.10.1. Limit

Tested Band	Limits
All Band	Less than 1GHz (30MHz ~ 1000MHz) ≤ 4 nW
	Above 1GHz (1GHz ~ 26GHz) ≤ 20 nW

5.10.2 Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5180	1	844.8	0.003000	≤ 1.0	Pass	*1
		25836	0.085900	≤ 5.0	Pass	*2
	2	895.24	0.003600	≤ 1.0	Pass	*1
		21574	0.075200	≤ 5.0	Pass	*2
	3	945.68	0.002700	≤ 1.0	Pass	*1
		3070	0.099000	≤ 5.0	Pass	*2
	4	845.77	0.002900	≤ 1.0	Pass	*1
		24520	0.091700	≤ 5.0	Pass	*2
	S		0.012200	≤ 4.0	Pass	*1
			0.351800	≤ 20.0	Pass	*2
5240	1	908.82	0.002700	≤ 1.0	Pass	*1
		20920	0.097200	≤ 5.0	Pass	*2
	2	967.02	0.002600	≤ 1.0	Pass	*1
		25788	0.095200	≤ 5.0	Pass	*2
	3	788.54	0.003100	≤ 1.0	Pass	*1
		21532	0.088400	≤ 5.0	Pass	*2
	4	964.11	0.004200	≤ 1.0	Pass	*1
		22900	0.092400	≤ 5.0	Pass	*2
	S		0.012600	≤ 4.0	Pass	*1
			0.373200	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5260	1	854.5	0.002900	≤ 1.0	Pass	*1
		21892	0.104900	≤ 5.0	Pass	*2
	2	807.94	0.002600	≤ 1.0	Pass	*1
		25048	0.099800	≤ 5.0	Pass	*2
	3	931.13	0.003600	≤ 1.0	Pass	*1
		25856	0.130700	≤ 5.0	Pass	*2
	4	915.61	0.002500	≤ 1.0	Pass	*1
		25788	0.097100	≤ 5.0	Pass	*2
	S		0.011600	≤ 4.0	Pass	*1
			0.432500	≤ 20.0	Pass	*2
5320	1	973.81	0.003100	≤ 1.0	Pass	*1
		25360	0.118000	≤ 5.0	Pass	*2
	2	713.85	0.002700	≤ 1.0	Pass	*1
		24320	0.097300	≤ 5.0	Pass	*2
	3	736.16	0.003000	≤ 1.0	Pass	*1
		25428	0.101100	≤ 5.0	Pass	*2
	4	528.58	0.002700	≤ 1.0	Pass	*1
		22892	0.105400	≤ 5.0	Pass	*2
	S		0.011500	≤ 4.0	Pass	*1
			0.421800	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5500	1	998.06	0.002600	≤ 1.0	Pass	*1
		25288	0.118000	≤ 5.0	Pass	*2
	2	750.71	0.002500	≤ 1.0	Pass	*1
		25896	0.098900	≤ 5.0	Pass	*2
	3	790.48	0.003700	≤ 1.0	Pass	*1
		25560	0.095100	≤ 5.0	Pass	*2
	4	628.49	0.002800	≤ 1.0	Pass	*1
		20956	0.104100	≤ 5.0	Pass	*2
	S		0.011600	≤ 4.0	Pass	*1
			0.416100	≤ 20.0	Pass	*2
5600	1	871.96	0.002600	≤ 1.0	Pass	*1
		25648	0.097300	≤ 5.0	Pass	*2
	2	797.27	0.002500	≤ 1.0	Pass	*1
		22900	0.111600	≤ 5.0	Pass	*2
	3	757.5	0.003100	≤ 1.0	Pass	*1
		23408	0.120700	≤ 5.0	Pass	*2
	4	906.88	0.002900	≤ 1.0	Pass	*1
		22480	0.112300	≤ 5.0	Pass	*2
	S		0.011100	≤ 4.0	Pass	*1
			0.441900	≤ 20.0	Pass	*2
5700	1	942.77	0.002600	≤ 1.0	Pass	*1
		25488	0.126600	≤ 5.0	Pass	*2
	2	211.39	0.030000	≤ 1.0	Pass	*1
		23064	0.100200	≤ 5.0	Pass	*2
	3	242.43	0.003200	≤ 1.0	Pass	*1
		25812	0.131200	≤ 5.0	Pass	*2
	4	878.75	0.003200	≤ 1.0	Pass	*1
		22236	0.085100	≤ 5.0	Pass	*2
	S		0.039000	≤ 4.0	Pass	*1
			0.443100	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5180	1	826.37	0.002800	≤ 1.0	Pass	*1
		25492	0.105600	≤ 5.0	Pass	*2
	2	878.75	0.002800	≤ 1.0	Pass	*1
		25844	0.089600	≤ 5.0	Pass	*2
	3	884.57	0.002900	≤ 1.0	Pass	*1
		25292	0.119100	≤ 5.0	Pass	*2
	4	878.75	0.002800	≤ 1.0	Pass	*1
		22820	0.148200	≤ 5.0	Pass	*2
	S		0.011300	≤ 4.0	Pass	*1
			0.462500	≤ 20.0	Pass	*2
5240	1	873.9	0.002600	≤ 1.0	Pass	*1
		25292	0.089700	≤ 5.0	Pass	*2
	2	561.56	0.002800	≤ 1.0	Pass	*1
		22996	0.090900	≤ 5.0	Pass	*2
	3	838.98	0.002600	≤ 1.0	Pass	*1
		25796	0.093300	≤ 5.0	Pass	*2
	4	898.15	0.002800	≤ 1.0	Pass	*1
		22476	0.104400	≤ 5.0	Pass	*2
	S		0.010800	≤ 4.0	Pass	*1
			0.378300	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5260	1	644.01	0.002300	≤ 1.0	Pass	*1
		23372	0.102400	≤ 5.0	Pass	*2
	2	845.77	0.002400	≤ 1.0	Pass	*1
		21130	0.085400	≤ 5.0	Pass	*2
	3	519.85	0.002300	≤ 1.0	Pass	*1
		24248	0.112100	≤ 5.0	Pass	*2
	4	887.48	0.003000	≤ 1.0	Pass	*1
		25892	0.093600	≤ 5.0	Pass	*2
	S		0.010000	≤ 4.0	Pass	*1
			0.393500	≤ 20.0	Pass	*2
5320	1	446.13	0.003000	≤ 1.0	Pass	*1
		20812	0.103200	≤ 5.0	Pass	*2
	2	870.02	0.003300	≤ 1.0	Pass	*1
		22712	0.099300	≤ 5.0	Pass	*2
	3	760.41	0.002800	≤ 1.0	Pass	*1
		25492	0.100400	≤ 5.0	Pass	*2
	4	964.11	0.002800	≤ 1.0	Pass	*1
		25744	0.119900	≤ 5.0	Pass	*2
	S		0.011900	≤ 4.0	Pass	*1
			0.422800	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5500	1	443.22	0.002700	≤ 1.0	Pass	*1
		23580	0.097400	≤ 5.0	Pass	*2
	2	895.24	0.003000	≤ 1.0	Pass	*1
		23648	0.092700	≤ 5.0	Pass	*2
	3	801.15	0.003200	≤ 1.0	Pass	*1
		25748	0.113600	≤ 5.0	Pass	*2
	4	989.33	0.002900	≤ 1.0	Pass	*1
		25908	0.103100	≤ 5.0	Pass	*2
	S		0.011800	≤ 4.0	Pass	*1
			0.406800	≤ 20.0	Pass	*2
5600	1	838.01	0.002900	≤ 1.0	Pass	*1
		25276	0.099600	≤ 5.0	Pass	*2
	2	811.82	0.002700	≤ 1.0	Pass	*1
		23912	0.114300	≤ 5.0	Pass	*2
	3	126.03	0.003000	≤ 1.0	Pass	*1
		22880	0.099300	≤ 5.0	Pass	*2
	4	900.09	0.002600	≤ 1.0	Pass	*1
		20806	0.097100	≤ 5.0	Pass	*2
	S		0.011200	≤ 4.0	Pass	*1
			0.410300	≤ 20.0	Pass	*2
5700	1	946.65	0.003000	≤ 1.0	Pass	*1
		2467	0.119300	≤ 5.0	Pass	*2
	2	954.41	0.003100	≤ 1.0	Pass	*1
		25929	0.091400	≤ 5.0	Pass	*2
	3	867.11	0.003000	≤ 1.0	Pass	*1
		25844	0.095900	≤ 5.0	Pass	*2
	4	375.32	0.003200	≤ 1.0	Pass	*1
		25836	0.107900	≤ 5.0	Pass	*2
	S		0.012300	≤ 4.0	Pass	*1
			0.414500	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5190	1	964.11	0.002900	≤ 1.0	Pass	*1
		23440	0.096700	≤ 5.0	Pass	*2
	2	997.09	0.002800	≤ 1.0	Pass	*1
		25884	0.113100	≤ 5.0	Pass	*2
	3	882.63	0.003100	≤ 1.0	Pass	*1
		23028	0.105100	≤ 5.0	Pass	*2
	4	852.56	0.003000	≤ 1.0	Pass	*1
		24180	0.111900	≤ 5.0	Pass	*2
	S		0.011800	≤ 4.0	Pass	*1
			0.426800	≤ 20.0	Pass	*2
5230	1	737.13	0.002500	≤ 1.0	Pass	*1
		25920	0.129800	≤ 5.0	Pass	*2
	2	795.33	0.002300	≤ 1.0	Pass	*1
		25844	0.095600	≤ 5.0	Pass	*2
	3	737.13	0.002900	≤ 1.0	Pass	*1
		25828	0.123900	≤ 5.0	Pass	*2
	4	877.78	0.003100	≤ 1.0	Pass	*1
		23672	0.095400	≤ 5.0	Pass	*2
	S		0.010800	≤ 4.0	Pass	*1
			0.444700	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5270	1	851.59	0.003000	≤ 1.0	Pass	*1
		22272	0.092900	≤ 5.0	Pass	*2
	2	974.78	0.002600	≤ 1.0	Pass	*1
		25928	0.097900	≤ 5.0	Pass	*2
	3	904.94	0.002700	≤ 1.0	Pass	*1
		24828	0.093300	≤ 5.0	Pass	*2
	4	699.3	0.002500	≤ 1.0	Pass	*1
		25660	0.088200	≤ 5.0	Pass	*2
	S		0.010800	≤ 4.0	Pass	*1
			0.372300	≤ 20.0	Pass	*2
5310	1	812.79	0.123600	≤ 1.0	Pass	*1
		23440	0.123600	≤ 5.0	Pass	*2
	2	95.96	0.002700	≤ 1.0	Pass	*1
		2156.8	0.091700	≤ 5.0	Pass	*2
	3	863.23	0.002900	≤ 1.0	Pass	*1
		23952	0.115000	≤ 5.0	Pass	*2
	4	515.97	0.002600	≤ 1.0	Pass	*1
		25876	0.086100	≤ 5.0	Pass	*2
	S		0.131800	≤ 4.0	Pass	*1
			0.416400	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5510	1	887.478	0.003600	≤ 1.0	Pass	*1
		25776	0.093100	≤ 5.0	Pass	*2
	2	793.39	0.003900	≤ 1.0	Pass	*1
		25588	0.087200	≤ 5.0	Pass	*2
	3	639.16	0.003800	≤ 1.0	Pass	*1
		24476	0.089200	≤ 5.0	Pass	*2
	4	957.32	0.003000	≤ 1.0	Pass	*1
		22800	0.118400	≤ 5.0	Pass	*2
	S		0.014300	≤ 4.0	Pass	*1
			0.387900	≤ 20.0	Pass	*2
5590	1	842.86	0.003300	≤ 1.0	Pass	*1
		23488	0.101200	≤ 5.0	Pass	*2
	2	278.32	0.002800	≤ 1.0	Pass	*1
		23192	0.106700	≤ 5.0	Pass	*2
	3	572.23	0.002700	≤ 1.0	Pass	*1
		23308	0.091200	≤ 5.0	Pass	*2
	4	730.34	0.003200	≤ 1.0	Pass	*1
		25852	0.097000	≤ 5.0	Pass	*2
	S		0.012000	≤ 4.0	Pass	*1
			0.396100	≤ 20.0	Pass	*2
5670	1	691.54	0.002600	≤ 1.0	Pass	*1
		25756	0.093000	≤ 5.0	Pass	*2
	2	405.39	0.002900	≤ 1.0	Pass	*1
		25536	0.116100	≤ 5.0	Pass	*2
	3	883.6	0.002900	≤ 1.0	Pass	*1
		22380	0.112400	≤ 5.0	Pass	*2
	4	758.47	0.002600	≤ 1.0	Pass	*1
		25944	0.100800	≤ 5.0	Pass	*2
	S		0.011000	≤ 4.0	Pass	*1
			0.422300	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5210	1	164.83	0.003100	≤ 1.0	Pass	*1
		25912	0.105300	≤ 5.0	Pass	*2
	2	994.18	0.003200	≤ 1.0	Pass	*1
		22972	0.112100	≤ 5.0	Pass	*2
	3	664.38	0.002500	≤ 1.0	Pass	*1
		25324	0.091000	≤ 5.0	Pass	*2
	4	870.99	0.002300	≤ 1.0	Pass	*1
		24720	0.095400	≤ 5.0	Pass	*2
	S		0.011100	≤ 4.0	Pass	*1
			0.403800	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5290	1	667.29	0.003100	≤ 1.0	Pass	*1
		22868	0.097100	≤ 5.0	Pass	*2
	2	773.02	0.002200	≤ 1.0	Pass	*1
		25760	0.106400	≤ 5.0	Pass	*2
	3	854.5	0.002600	≤ 1.0	Pass	*1
		25892	0.094200	≤ 5.0	Pass	*2
	4	789.51	0.002900	≤ 1.0	Pass	*1
		22512	0.103700	≤ 5.0	Pass	*2
	S		0.010800	≤ 4.0	Pass	*1
			0.401400	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	RX	Measured Freq (MHz)	Result (nW)	Limit (nW)	Verdict	Note
5530	1	811.82	0.003100	≤ 1.0	Pass	*1
		25956	0.098200	≤ 5.0	Pass	*2
	2	917.55	0.002600	≤ 1.0	Pass	*1
		22024	0.090100	≤ 5.0	Pass	*2
	3	798.24	0.003500	≤ 1.0	Pass	*1
		22532	0.084700	≤ 5.0	Pass	*2
	4	737.13	0.002500	≤ 1.0	Pass	*1
		25924	0.092200	≤ 5.0	Pass	*2
	S		0.011700	≤ 4.0	Pass	*1
			0.365200	≤ 20.0	Pass	*2
5610	1	862.26	0.002400	≤ 1.0	Pass	*1
		25644	0.087600	≤ 5.0	Pass	*2
	2	876.81	0.003500	≤ 1.0	Pass	*1
		20596	0.098200	≤ 5.0	Pass	*2
	3	833.16	0.003300	≤ 1.0	Pass	*1
		25872	0.102600	≤ 5.0	Pass	*2
	4	792.42	0.002600	≤ 1.0	Pass	*1
		25884	0.136400	≤ 5.0	Pass	*2
	S		0.011800	≤ 4.0	Pass	*1
			0.424800	≤ 20.0	Pass	*2

*1 Measurement Range : Less than 1GHz (30MHz ~ 1000MHz)

*2 Measurement Range : Above 1GHz (1GHz ~ 26GHz)

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

5.11. Interference Prevention Function & Carrier Sensing Function

5.11.1. Requirements

Tested Band	Requirements
W52 / W53	Modulation Method: Non-OFDM 20MHz System
	Interference Prevention Function : Required
	Carrier Sensing Function : Required (more than 100mV/m)
	Modulation Method: OFDM 20MHz System
	Interference Prevention Function : Required
	Carrier Sensing Function : Required (more than 100mV/m)
	Modulation Method: OFDM 40MHz System
	Interference Prevention Function : Required
	Carrier Sensing Function : Required (more than 100mV/m)
	Modulation Method: OFDM 80MHz System
W56	Interference Prevention Function : Required
	Carrier Sensing Function : Required (more than 100mV/m)
	20MHz System
	Interference Prevention Function : Required
	Carrier Sensing Function : Required (more than 100mV/m)
	40MHz System
W56	Interference Prevention Function : Required
	Carrier Sensing Function : Required (more than 100mV/m)
	80MHz System
	Interference Prevention Function : Required
	Carrier Sensing Function : Required (more than 100mV/m)

5.11.2. Test result (IEEE 802.11a/n/ac)

W52 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	Interference Prevention Function	Verdict	Carrier Sensing Function	Verdict
5180	Good	Pass	Good	Pass
5240	Good	Pass	Good	Pass

W53 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	Interference Prevention Function	Verdict	Carrier Sensing Function	Verdict
5260	Good	Pass	Good	Pass
5320	Good	Pass	Good	Pass

W56 : OFDM 20MHz System (IEEE 802.11a)

Center Frequency (MHz)	Interference Prevention Function	Verdict	Carrier Sensing Function	Verdict
5500	Good	Pass	Good	Pass
5600	Good	Pass	Good	Pass
5700	Good	Pass	Good	Pass

W52 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	Interference Prevention Function	Verdict	Carrier Sensing Function	Verdict
5180	Good	Pass	Good	Pass
5240	Good	Pass	Good	Pass

W53 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	Interference Prevention Function	Verdict	Carrier Sensing Function	Verdict
5260	Good	Pass	Good	Pass
5320	Good	Pass	Good	Pass

W56 : OFDM 20MHz System (IEEE 802.11n HT20 / IEEE 802.11ac VHT20)

Center Frequency (MHz)	Interference Prevention Function	Verdict	Carrier Sensing Function	Verdict
5500	Good	Pass	Good	Pass
5600	Good	Pass	Good	Pass
5700	Good	Pass	Good	Pass

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

1 : Result of TX 1, 2 : Result of TX 2, 3 : Result of TX 3, 4 : Result of TX 4
S : Sum of each Chain, C : Use combiner, W : [Worst result] x [Number of antenna ports]

W52 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	Interferende Prevention Function	Verdict	Carrier Sensing Function	Verdict
5190	Good	Pass	Good	Pass
5230	Good	Pass	Good	Pass

W53 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	Interferende Prevention Function	Verdict	Carrier Sensing Function	Verdict
5270	Good	Pass	Good	Pass
5310	Good	Pass	Good	Pass

W56 : OFDM 40MHz System (IEEE 802.11n HT40 / IEEE 802.11ac VHT40)

Center Frequency (MHz)	Interferende Prevention Function	Verdict	Carrier Sensing Function	Verdict
5510	Good	Pass	Good	Pass
5590	Good	Pass	Good	Pass
5670	Good	Pass	Good	Pass

W52 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	Interferende Prevention Function	Verdict	Carrier Sensing Function	Verdict
5210	Good	Pass	Good	Pass

W53 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	Interferende Prevention Function	Verdict	Carrier Sensing Function	Verdict
5290	Good	Pass	Good	Pass

W56 : OFDM 80MHz System (IEEE 802.11ac VHT80)

Center Frequency (MHz)	Interferende Prevention Function	Verdict	Carrier Sensing Function	Verdict
5530	Good	Pass	Good	Pass
5610	Good	Pass	Good	Pass

2.3. Product

Model name	RX-600MI,PR-600MIまたはM-HGW24N		
Type of equipment	Master		
Communication method	Simplex		
Channel bandwidth & Frequency range & Number of channels	20MHz system	5.18 ~ 5.32GHz(20MHz interval 8 channels)	
	40MHz system	5.19, 5.23, 5.27, 5.31GHz	
	80MHz system	5.21, 5.29GHz	
	160MHz system	5.25GHz	
	20MHz system	5.50 ~ 5.70GHz(20MHz interval 11 channels)	
	40MHz system	5.51 ~ 5.67GHz(40MHz interval 5 channels)	
	80MHz system	5.53, 5.61GHz	
	160MHz system	5.57GHz	

2.4. Opinions and interpretations

* --

Master	Master or Client
	6.5 ~ 288.9 Mbps 13.5 ~ 600 Mbps 29.3 ~ 1300 Mbps
	6.5 ~ 346.7 Mbps 13.5 ~ 800 Mbps 29.3 ~ 1733.3 Mbps

2.5. Test Conditions Photograph

Measurement State



Measurement State



3. Measurement Equipment List

Use	Kind of Equipment	Model Name	Manufacturer	Serial No.	Calibration Authority	Cal Date	Cal Method
X	Spectrum Analyzer	N9020B	キーサイト・テクノロジー	MY57430639	オリックス・レンテック株式会社	2018/12/4	d)
X	Vector Signal Generator	N5172B	キーサイト・テクノロジー	6200882959	オリックス・レンテック株式会社	2018/12/3	d)

Note 1: "X" used equipment.

Note 2: The validity of measurement equipment is one year from the first day of the following month of the calibration date.

(e.g. If the calibration date is December 15th, 2014, measurement equipment can be used from December 15th, 2014 to December 31st, 2015.)

Note 3: Calibration Method

a): Calibration conducted by the National Institute of Information and Communications Technology(NICT)(hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)

b): Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)

c): Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)

d): Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from **a)** to **c)**

5. Test Results

5.1. Testing Information	
Type of application	<input checked="" type="checkbox"/> Type certificate <input type="checkbox"/> Test certificate
Input voltage	12 VDC (Rated voltage only)
Used software (& version)	--
Firmware version	00.02.0016
Serial number	8827 K70 00150
Ambient Temperature	20~26℃
Relative Humidity	46~50%
Radar Frequency	Center Frequency -1MHz
The reason why the tests are performed only at rated voltage	When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).
Measurement was conducted by the following test method: The test method of Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in Annex 45 of Article 88, Paragraph 1 or the test method more than equivalent.	

5.3. Dynamic Frequency Selection Function [Article 49-20.]

5.3.1. Channel Availability Check (CAC)

W53: PASS
W56: PASS
NOP: Refer to the type specification.

5.3.2. In-Service Monitoring (ISM)

W53: PASS
W56: PASS
CCTT: Refer to the type specification.
CMT: Refer to the type specification.
NOP: Refer to the type specification.

Note;
NOP: Non-Occupancy Period
CCTT: Channel Closing Transmission Time
CMT: Channel Move Time

5.3.2.1. W53 In-Service Monitoring (ISM)

Radar Type 1		
Number of tries	1-1	1-2
1	Detected	Detected
2	Detected	Detected
3	Detected	Detected
4	Detected	Detected
5	Detected	Detected
6	Detected	Detected
7	Detected	Detected
8	Detected	Detected
9	Detected	Detected
10	Detected	Detected
11	Detected	Detected
12	Detected	Detected
13	Detected	Detected
14	Detected	Detected
15	Detected	Detected
16	Not Performed	Not Performed
17	Not Performed	Not Performed
18	Not Performed	Not Performed
19	Not Performed	Not Performed
20	Not Performed	Not Performed

	1-1	1-2
Number of tries	20	20
Number of radar detected	15	15
Detection rate(%)	75	75
Result	PASS	PASS
Probability level	60% or more	

Note;

- * The test is able to terminate at minimum tries, because it meets technical standards.
- * Number of tries include the number of "Not Performed".
- * Detection rate(%) = (Number of radar detected)/(Number of tries)*100

5.3.2.2. W56 In-Service Monitoring (ISM)

Radar Type 2						
Number of tries	2-1	2-2	2-3	2-4	2-5	2-6
1	Detected	Detected	Detected	Detected	Detected	Detected
2	Detected	Detected	Detected	Detected	Detected	Detected
3	Detected	Detected	Detected	Detected	Detected	Detected
4	Detected	Detected	Detected	Detected	Detected	Detected
5	Detected	Detected	Detected	Detected	Detected	Detected
6	Detected	Detected	Detected	Detected	Detected	Detected
7	Detected	Detected	Detected	Detected	Detected	Detected
8	Detected	Detected	Detected	Detected	Detected	Detected
9	Detected	Detected	Detected	Detected	Detected	Detected
10	Detected	Detected	Detected	Detected	Detected	Detected
11	Detected	Detected	Detected	Detected	Detected	Detected
12	Detected	Detected	Detected	Detected	Detected	Detected
13	Detected	Detected	Detected	Detected	Detected	Detected
14	Detected	Detected	Detected	Detected	Detected	Detected
15	Detected	Detected	Detected	Detected	Detected	Detected
16	Detected	Detected	Detected	Detected	Detected	Detected
17	Detected	Detected	Detected	Detected	Detected	Detected
18	Detected	Detected	Detected	Detected	Detected	Detected
19	Not Performed	Not Performed	Not Performed	Not Performed	Not Performed	Not Performed
20	Not Performed	Not Performed	Not Performed	Not Performed	Not Performed	Not Performed

	2-1	2-2	2-3	2-4	2-5	2-6
Number of tries	20	20	20	20	20	20
Number of radar detected	18	18	18	18	18	18
Detection rate(%)	90	90	90	90	90	90
Result	PASS	PASS	PASS	PASS	PASS	PASS
Probability level	60% or more					

Total of Radar Type 2	
Number of tries	120
Number of radar detected	108
Detection rate(%)	90
Result	PASS
Probability level	80% or more

Note;

- * The test is able to terminate at minimum tries, because it meets technical standards.
- * Number of tries include the number of "Not Performed".
- * Detection rate(%) = (Number of radar detected)/(Number of tries)*100

Radar Type 3, 4		
Number of tries	3	4
1	Detected	Detected
2	Detected	Detected
3	Detected	Detected
4	Detected	Detected
5	Detected	Detected
6	Detected	Detected
7	Detected	Detected
8	Detected	Detected
9	Detected	Detected
10	Detected	Detected
11	Detected	Detected
12	Detected	Detected
13	Detected	Detected
14	Detected	Detected
15	Detected	Detected
16	Detected	Detected
17	Detected	Not Performed
18	Detected	Not Performed
19	Not Performed	Not Performed
20	Not Performed	Not Performed

	3	4
Number of tries	20	20
Number of radar detected	18	16
Detection rate(%)	90	80
Result	PASS	PASS
Probability level	80% or more	70% or more

Note;

- * The test is able to terminate at minimum tries, because it meets technical standards.
- * Number of tries include the number of "Not Performed".
- * $\text{Detection rate(\%)} = (\text{Number of radar detected}) / (\text{Number of tries}) * 100$